

REPLIDYNE INC  
Form S-4/A  
January 12, 2009

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**As filed with the U.S. Securities and Exchange Commission on January 9, 2009**

**Registration No. 333-155887**

**SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**Amendment No. 1  
to  
Form S-4  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**Replidyne, Inc.**

*(Exact name of registrant as specified in its charter)*

**Delaware**

*(State or other jurisdiction of  
incorporation or organization)*

**2834**

*(Primary Standard Industrial  
Classification Code Number)*

**84-1568247**

*(I.R.S. Employer  
Identification No.)*

**1450 Infinite Dr.  
Louisville, CO 80027  
(303) 996-5500**

*(Address, including zip code, and telephone number, including area code, of Registrant's principal executive offices)*

**Kenneth J. Collins  
President and Chief Executive Officer  
Replidyne, Inc.  
1450 Infinite Dr.  
Louisville, CO 80027  
(303) 996-5500**

*(Name, address, including zip code, and telephone number, including area code, of agent for service)*

*Copies to:*

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651 Campus Drive  
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(651) 259-2800**

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Minneapolis, MN 55402  
(612) 492-7000**

**Approximate date of commencement of proposed sale to the public:** As soon as practicable after the effectiveness of this registration statement and the satisfaction or waiver of all other conditions under the merger agreement described herein.

If the securities being registered on this form are being offered in connection with the formation of a holding company and there is compliance with General Instruction G, check the following box.

If this form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller reporting company   
(Do not check if a smaller reporting company)

**The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment that specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.**

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The information in this proxy statement/prospectus is not complete and may be changed. Replidyne may not sell its securities pursuant to the proposed transactions until the Registration Statement filed with the Securities and Exchange Commission is effective. This proxy statement/prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

**SUBJECT TO COMPLETION, DATED JANUARY 9, 2009**

We are furnishing this proxy statement/prospectus to the holders of Replidyne, Inc.'s common stock and to holders of Cardiovascular Systems, Inc.'s common stock, Series A convertible preferred stock, Series A-1 convertible preferred stock and Series B convertible preferred stock.

Replidyne, Inc., or Replidyne, and Cardiovascular Systems, Inc., or CSI, have entered into a merger agreement pursuant to which a wholly owned subsidiary of Replidyne will merge with and into CSI, with CSI continuing as a wholly owned subsidiary of Replidyne. Immediately prior to the effective time of the merger, each share of CSI preferred stock will be converted into shares of CSI common stock at a ratio determined in accordance with the CSI articles of incorporation. At the effective time of the merger, each share of CSI common stock will convert into the right to receive that number of shares of Replidyne common stock as determined pursuant to the conversion factor described in the merger agreement. Replidyne will assume outstanding and unexercised options and warrants to purchase CSI common stock, and they will be converted into warrants and options, as applicable, to purchase Replidyne common stock in accordance with the same conversion factor. Replidyne stockholders, optionholders and warrant holders will continue to own and hold, respectively, their existing shares of and options and warrants for Replidyne common stock. Immediately after the merger, current stockholders of Replidyne, together with holders of Replidyne options and warrants, are expected to own or have the right to acquire between 16.3% and 17.0% of the combined company, and current CSI stockholders, together with holders of CSI options and warrants, are expected to own or have the right to acquire between 83.0% and 83.7% of the combined company, in each case assuming that Replidyne's net assets at closing are between \$35.0 and \$37.0 million as calculated in accordance with the terms of the merger agreement, on a fully diluted basis using the treasury stock method of accounting for options and warrants.

Shares of Replidyne common stock are currently listed on the Nasdaq Global Market under the symbol RDYN. After completion of the merger, Replidyne will be renamed Cardiovascular Systems, Inc. and expects to trade on the Nasdaq Global Market under the symbol CSII. On \_\_\_\_\_, 2009, the last trading day before the date of this proxy statement/prospectus, the closing sale price of Replidyne common stock was \$ \_\_\_\_\_ per share.

Replidyne is holding a special meeting of stockholders in order to obtain the stockholder approvals necessary to complete the merger and related matters. At the Replidyne special meeting, which will be held at 9:00 a.m., local time, on \_\_\_\_\_, 2009 at Cooley Godward Kronish LLP, 380 Interlocken Crescent, Suite 900, Broomfield, Colorado, unless postponed or adjourned to a later date, Replidyne will ask its stockholders to, among other things, approve the issuance of Replidyne common stock pursuant to the merger and approve amendments to the Replidyne certificate of incorporation effecting a reverse stock split of Replidyne common stock, which is referred to as the reverse stock split, and changing the Replidyne corporate name to Cardiovascular Systems, Inc., each as described in the accompanying proxy statement/prospectus.

CSI is holding a special meeting of stockholders in order to obtain the stockholder approvals necessary to complete the merger and related matters. At the CSI special meeting, which will be held at 9:00 a.m., local time, on \_\_\_\_\_, 2009

at Cardiovascular Systems, Inc., 651 Campus Drive, St. Paul, Minnesota, unless postponed or adjourned to a later date, CSI will ask its stockholders to, among other things, approve and adopt the merger agreement and the merger contemplated therein.

After careful consideration, the Replidyne and CSI boards of directors have approved the merger agreement and the respective proposals referred to above, and each of the Replidyne and CSI boards of directors has determined that it is advisable to enter into the merger. The board of directors of Replidyne and CSI each recommends that its stockholders vote FOR the proposals described in the accompanying proxy statement. Several CSI stockholders have agreed with Replidyne to vote shares representing approximately 20% of the outstanding capital stock of CSI in favor of the merger and the other actions contemplated by the merger agreement. In addition, several Replidyne stockholders have agreed with CSI to vote shares representing approximately 32% of the outstanding common stock of Replidyne in favor of the issuance of the shares of Replidyne common stock pursuant to the merger and the other actions contemplated by the merger agreement.

More information about Replidyne, CSI and the proposed transaction is contained in this proxy statement/prospectus. Replidyne and CSI urge you to read the accompanying proxy statement/prospectus carefully and in its entirety. **In particular, you should carefully consider the matters discussed under *Risk Factors* beginning on page 18.**

This proxy statement/prospectus refers to important business and financial information about Replidyne and CSI that is not included in or delivered with this proxy statement/prospectus. Such information is available without charge to stockholders of Replidyne and CSI upon written or oral request at the following addresses: For information concerning Replidyne, Replidyne, Inc., Attn: Investor Relations, 1450 Infinite Drive, Louisville, Colorado 80027, or by telephone at (303) 996-5500; and for information concerning CSI, Cardiovascular Systems, Inc., Attn: Investor Relations, 651 Campus Drive, St. Paul, Minnesota 55112, or by telephone at (651) 259-2800. **To obtain timely delivery, Replidyne stockholders must request the information no later than five business days before the date of the special meeting of Replidyne stockholders, or no later than           , 2009, and CSI stockholders must request the information no later than five business days before the date of the special meeting of CSI stockholders, or no later than           , 2009.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this proxy statement/prospectus. Any representation to the contrary is a criminal offense.**

The accompanying proxy statement/prospectus is dated           , 2009, and is first being mailed to Replidyne and CSI stockholders on or about           , 2009.

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**Replidyne, Inc.  
1450 Infinite Dr.  
Louisville, CO 80027  
(303) 996-5500**

**NOTICE OF SPECIAL MEETING OF STOCKHOLDERS  
To Be Held On \_\_\_\_\_, 2009**

To the Stockholders of Replidyne, Inc.:

On behalf of the board of directors of Replidyne, Inc., a Delaware corporation, we are pleased to deliver this proxy statement/prospectus for the proposed merger combining Replidyne, Inc., or Replidyne, and Cardiovascular Systems, Inc., or CSI, a Minnesota corporation. The special meeting of stockholders of Replidyne will be held on \_\_\_\_\_, 2009 at 9:00 a.m. MST, at Cooley Godward Kronish LLP, 380 Interlocken Crescent, Suite 900, Broomfield, Colorado, for the following purposes:

1. To consider and vote upon a proposal to approve the issuance of Replidyne common stock pursuant to the Agreement and Plan of Merger and Reorganization, dated November 3, 2008, by and among Replidyne, Responder Merger Sub, Inc., and CSI as described in the attached proxy statement/prospectus.
2. To authorize Replidyne's board of directors to amend Replidyne's restated certificate of incorporation in order to effect a reverse stock split of the issued and outstanding shares of Replidyne common stock in a ratio of up to one for 50, if and as determined by Replidyne's board of directors.
3. To approve an amendment to Replidyne's restated certificate of incorporation to change the name Replidyne, Inc. to Cardiovascular Systems, Inc.
4. To approve an amendment to Replidyne's restated certificate of incorporation to increase the number of authorized shares of Replidyne common stock to \_\_\_\_\_.
5. To approve Replidyne's assumption of the Cardiovascular Systems, Inc. 2007 Equity Incentive Plan to be used by Replidyne following the consummation of the merger, together with an increase in the number of shares of CSI common stock reserved for issuance under the plan from 3,379,397 to \_\_\_\_\_, which following the merger will be converted into shares of Replidyne common stock, subject to further adjustment for the reverse stock split anticipated before closing of the merger.
6. To approve an amendment to the Replidyne, Inc. 2006 Employee Stock Purchase Plan to increase the number of shares of Replidyne common stock reserved under the plan from 305,872 to \_\_\_\_\_, subject to further adjustment for the reverse stock split anticipated before the closing of the merger.
7. To consider and vote upon an adjournment of the special meeting, if necessary, if a quorum is present, to solicit additional proxies if there are not sufficient votes in favor of Replidyne Proposal No. 1, 2, 3, 4, 5 or 6.
8. To transact such other business as may properly come before the special meeting or any adjournment or postponement thereof.

The board of directors of Replidyne has fixed \_\_\_\_\_, 2009 as the record date for the determination of stockholders entitled to notice of, and to vote at, the special meeting and any adjournment or postponement thereof. Only holders of record of shares of Replidyne common stock at the close of business on the record date are entitled to notice of, and to vote at, the special meeting. At the close of business on the record date, Replidyne had \_\_\_\_\_ shares of common stock outstanding and entitled to vote.

**Your vote is important. The affirmative vote of the holders of a majority of the shares of Replidyne common stock casting votes in person or by proxy at the Replidyne special meeting is required for approval of Replidyne Proposal Nos. 1, 5, 6 and 7 and the affirmative vote of the holders of a majority of the shares of Replidyne common stock having voting power outstanding on the record date for the Replidyne special meeting is required for approval of Replidyne Proposal Nos. 2, 3 and 4. Even if you plan to attend the special meeting in person, we request that you sign and return the enclosed proxy and thus ensure that your shares will be represented at the special meeting if you are unable to attend. If you sign, date and mail your proxy card without indicating how you wish to vote, your proxy will be counted as a vote in favor of Replidyne**

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**Proposal Nos. 1, 2, 3, 4, 5, 6 and 7. If you fail to return your proxy card, the effect will be that your shares will not be counted for purposes of determining whether a quorum is present at the special meeting. You may revoke your proxy in the manner described in the proxy statement/prospectus before it has been voted at the special meeting. If you decide to attend the Replidyne special meeting, you may withdraw your proxy and vote in person.**

By Order of the Board of Directors,

By:

Secretary

Louisville, Colorado  
, 2009

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT EACH OF THE REPLIDYNE PROPOSALS OUTLINED ABOVE IS ADVISABLE, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED EACH SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR EACH SUCH PROPOSAL.**

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**Cardiovascular Systems, Inc.  
651 Campus Dr.  
St. Paul, MN 55112  
(651) 259-2800**

**NOTICE OF SPECIAL MEETING OF STOCKHOLDERS  
To Be Held On \_\_\_\_\_, 2009**

To the Stockholders of Cardiovascular Systems, Inc.:

On behalf of the board of directors of Cardiovascular Systems, Inc., a Minnesota corporation, we are pleased to deliver this proxy statement/prospectus for the proposed merger combining Replidyne, Inc., or Replidyne, a Delaware corporation, and Cardiovascular Systems, Inc., or CSI. The special meeting of stockholders of CSI will be held on \_\_\_\_\_, 2009 at 9:00 a.m. CST, at Cardiovascular Systems Inc., 651 Campus Drive, St. Paul, Minnesota, for the following purposes:

1. To consider and vote upon a proposal to approve and adopt the Agreement and Plan of Merger and Reorganization, dated November 3, 2008, by and among Replidyne, Responder Merger Sub, Inc., and CSI and the merger contemplated therein, as described in the attached proxy statement/prospectus.
2. To authorize an increase in the number of shares of CSI common stock reserved under CSI's 2007 Equity Incentive Plan from 3,379,397 to \_\_\_\_\_.
3. To consider and vote upon an adjournment of the special meeting, if necessary, if a quorum is present, to solicit additional proxies if there are not sufficient votes in favor of CSI Proposal No. 1 or 2.
4. To transact such other business as may properly come before the special meeting or any adjournment or postponement thereof.

The board of directors of CSI has fixed \_\_\_\_\_, 2009 as the record date for the determination of stockholders entitled to notice of, and to vote at, the special meeting and any adjournment or postponement thereof. Only holders of record of shares of CSI common stock or preferred stock at the close of business on the record date are entitled to notice of, and to vote at, the special meeting. At the close of business on the record date, CSI had \_\_\_\_\_ shares of common stock, \_\_\_\_\_ shares of Series A convertible preferred stock, \_\_\_\_\_ shares of Series A-1 convertible preferred stock and \_\_\_\_\_ shares of Series B convertible preferred stock outstanding and entitled to vote. Each holder of CSI preferred stock is entitled to such number of votes per share on each proposal to be voted upon as shall equal the number of shares of common stock into which each share of the preferred stock is then convertible, and in the event each share of the preferred stock is convertible into a number of shares of common stock including a fraction, each holder shall be entitled to vote the sum of fractions of a share to which the holder is entitled, rounded down to the nearest whole number. As of the record date, each share of Series A convertible preferred stock was convertible into 1.01 shares of common stock, each share of Series A-1 convertible preferred stock was convertible into 1.03 shares of common stock, and each share of Series B convertible preferred stock was convertible into 1.01 shares of common stock.

**Your vote is important. The affirmative vote of (i) the holders of a majority of the voting power of CSI common stock and preferred stock outstanding on the record date, voting as a single class on an as-converted to common stock basis, and (ii) a majority of the shares of CSI preferred stock outstanding on the record date, voting as a single class on an as-converted to common stock basis and including the shares of CSI preferred stock held by affiliates of Easton Capital Investment Group and Maverick Capital, Ltd., is required for approval of CSI Proposal No. 1. The affirmative vote of the holders of a majority of the voting power of CSI**

**common stock and preferred stock, voting as a single class on an as-converted to common stock basis, casting votes in person or by proxy at the CSI special meeting is required for approval of CSI Proposal Nos. 2 and 3. Even if you plan to attend the special meeting in person, we request that you sign and return the enclosed proxy and thus ensure that your shares will be represented at the special meeting if you are unable to attend. If you sign, date and mail your proxy card without indicating how you wish to vote, your proxy will be counted as a vote in favor of CSI Proposal Nos. 1, 2 and 3. If you fail to return your proxy card, the effect will be that your shares will not be counted for purposes of determining whether a quorum is present at the special meeting. You may revoke your proxy in the manner described in the proxy statement/prospectus**

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**before it has been voted at the special meeting. If you decide to attend the CSI special meeting, you may withdraw your proxy and vote in person.**

By Order of the Board of Directors,

By:

James E. Flaherty  
Secretary

St. Paul, Minnesota  
, 2009

**THE CSI BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT EACH OF THE CSI PROPOSALS OUTLINED ABOVE IS ADVISABLE, AND IN THE BEST INTERESTS OF, CSI AND ITS STOCKHOLDERS AND HAS APPROVED EACH SUCH PROPOSAL. THE CSI BOARD OF DIRECTORS RECOMMENDS THAT CSI STOCKHOLDERS VOTE FOR EACH SUCH PROPOSAL.**

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**QUESTIONS AND ANSWERS ABOUT THE MERGER, THE REPLIDYNE SPECIAL MEETING AND THE CSI SPECIAL MEETING**

*The following section provides answers to frequently asked questions about the merger and the effect of the merger on holders of Replidyne common stock and CSI common stock and preferred stock, the Replidyne special meeting and the CSI special meeting. This section, however, only provides summary information. Replidyne and CSI urge you to read carefully the remainder of this proxy statement/prospectus, including the annexes to this proxy statement/prospectus, because the information in this section does not provide all the information that might be important to you regarding the merger and the other matters being considered at the Replidyne special meeting and the CSI special meeting.*

*As used in this proxy statement/prospectus, references to Replidyne refer collectively to Replidyne, Inc. and all of its subsidiaries unless the context requires otherwise, references to CSI refer to Cardiovascular Systems, Inc. and all of its subsidiaries unless the context requires otherwise, and references to the combined company refer to Replidyne following the proposed transaction described in this proxy statement/prospectus.*

**Q: What is the merger?**

A: Replidyne, CSI, and Responder Merger Sub, Inc., a Minnesota corporation and wholly owned subsidiary of Replidyne, have entered into an Agreement and Plan of Merger dated as of November 3, 2008, which is referred to in this proxy statement/prospectus as the merger agreement, that contains the terms and conditions of the proposed business combination of Replidyne and CSI. Pursuant to the merger agreement, on the terms and conditions set forth therein, Responder Merger Sub, Inc. will be merged with and into CSI, with CSI surviving the merger as a wholly owned subsidiary of Replidyne.

Immediately prior to the effective time of the merger, each share of CSI preferred stock outstanding at such time will be converted into shares of CSI common stock at the conversion ratio determined pursuant to CSI's articles of incorporation. At the effective time of the merger, each share of CSI common stock outstanding immediately prior to the effective time of the merger (excluding certain shares to be canceled pursuant to the merger agreement, and shares held by stockholders who have exercised and perfected dissenters' rights) will be converted into the right to receive between 6.460 and 6.797 shares of Replidyne common stock, assuming that the net assets of Replidyne are between \$35.0 million and \$37.0 million as calculated in accordance with the terms of the merger agreement and that the number of shares of Replidyne and CSI common stock outstanding on a fully diluted basis using the treasury stock method of accounting for options and warrants immediately prior to the effective time of the merger has not changed from the number of such shares as of October 31, 2008, subject to adjustment to account for the effect of a reverse stock split of Replidyne common stock to be implemented prior to the consummation of the merger, which is referred to as the reverse stock split. As a result of the merger, holders of CSI stock, options and warrants are expected to own or have the right to acquire in the aggregate between 83.0% and 83.7% of the combined company and the holders of Replidyne stock, options and warrants are expected to own or have the right to acquire in the aggregate between 16.3% and 17.0% of the combined company. At the effective time of the merger, Replidyne will change its corporate name to Cardiovascular Systems, Inc. as required by the merger agreement.

**Q: Why are the two companies proposing to merge?**

A: The combined company that results from the merger will be a medical device company focused on developing and commercializing interventional treatment systems for vascular disease. The combined company will have several potential advantages, including a highly differentiated product, the Diamondback 360° Orbital

Atherectomy System, sufficient capital to fund its projected operating requirements for the foreseeable future, a product that targets a large, underserved market opportunity, and a proven and experienced management team.

**Q: Why am I receiving this proxy statement/prospectus?**

A: You are receiving this proxy statement/prospectus because you have been identified as a stockholder of Replidyne or CSI. If you are a stockholder of Replidyne, you are entitled to vote at Replidyne's special meeting. If you are a stockholder of CSI, you are entitled to vote at CSI's special meeting. This document serves as a proxy statement of Replidyne and CSI, used to solicit proxies for the special meetings of Replidyne and CSI,

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and as a prospectus of Replidyne, used to offer shares of Replidyne common stock to CSI stockholders in exchange for shares of CSI capital stock pursuant to the terms of the merger agreement. This document contains important information about the merger, the shares of Replidyne common stock to be issued in the merger and the special meetings of Replidyne and CSI stockholders, and you should read it carefully.

**Q: What is required to consummate the merger?**

A: To consummate the merger, Replidyne stockholders must approve the issuance of shares of Replidyne common stock in the merger and the certificate of amendment to the restated certificate of incorporation of Replidyne and CSI stockholders must approve and adopt the merger agreement and the merger contemplated therein.

The approval by the stockholders of Replidyne requires the affirmative vote of the holders of a majority of the shares of Replidyne common stock casting votes in person or by proxy at the Replidyne special meeting for the issuance of shares of Replidyne common stock in the merger, and the affirmative vote of the holders of a majority of shares of Replidyne common stock having voting power outstanding on the record date for the Replidyne special meeting for the amendment to Replidyne's restated certificate of incorporation.

The approval by the stockholders of CSI requires the affirmative votes of (i) the holders of a majority of the outstanding shares of CSI common stock and preferred stock, voting as a single class on an as-converted to common stock basis, and (ii) the holders of a majority of the outstanding shares of CSI preferred stock, voting as a single class on an as-converted to common stock basis and including the shares of CSI preferred stock held by affiliates of Easton Capital Investment Group and Maverick Capital, Ltd.

Several CSI stockholders have agreed with Replidyne to vote shares representing approximately 20% of the outstanding capital stock of CSI in favor of the merger and the other actions contemplated by the merger agreement. These stockholders represented the maximum number of the outstanding shares of CSI capital stock that could be made subject to these voting agreements under Minnesota corporate law. In addition, several Replidyne stockholders, who beneficially own approximately 48% of the outstanding common stock of Replidyne, have agreed with CSI to vote shares representing approximately 32% of the outstanding common stock of Replidyne in favor of the issuance of the shares of Replidyne common stock pursuant to the merger and the other actions contemplated by the merger agreement.

The stockholders of Replidyne and CSI are also being asked to approve certain other matters in connection with the consummation of the merger that are described more fully in this proxy statement/prospectus. While approval of these proposals is not required to consummate the merger, the board of directors of Replidyne or CSI, as the case may be, recommends that you vote for these proposals.

In addition to the requirement of obtaining such stockholder approvals and appropriate regulatory approvals, each of the other closing conditions set forth in the merger agreement must be satisfied or waived. For a more complete description of the closing conditions under the merger agreement, we urge you to read the section entitled "The Merger Agreement - Conditions to the Completion of the Merger" on page 81 of this proxy statement/prospectus.

**Q: What is the reverse stock split and why is it necessary?**

A: Immediately prior to the effective time of the merger, the outstanding shares of Replidyne common stock will be reclassified and combined into a lesser number of shares to be determined by Replidyne and CSI prior to the effective time of the merger and publicly announced by Replidyne. The merger constitutes a reverse merger under applicable marketplace rules established by Nasdaq, which requires the combined company to comply with

the initial listing standards of the applicable Nasdaq market to continue to be listed on such market following the merger. The Nasdaq Global Market's initial listing standards require a company to have, among other things, a \$4.00 per share minimum bid price. Because Replidyne common stock is required to be listed on the Nasdaq Global Market as a condition to closing the merger and the current price of Replidyne common stock is less than the minimum bid prices required by the Nasdaq Global Market, the reverse stock split is necessary to consummate the merger.

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**Q: What will CSI stockholders receive in the merger?**

A: Replidyne has agreed to issue, and holders of CSI capital stock will receive, shares of Replidyne common stock such that following the consummation of the transactions contemplated by the merger agreement, current stockholders of Replidyne, together with holders of Replidyne options and warrants, are expected to own or have the right to acquire between 16.3% and 17.0% of the common stock of the combined company, and current CSI stockholders, together with holders of CSI options and warrants, are expected to own or have the right to acquire between 83.0% and 83.7% of the combined company, in each case assuming that Replidyne's net assets are between \$35.0 million and \$37.0 million as calculated in accordance with the terms of the merger agreement, on a fully diluted basis using the treasury stock method of accounting for options and warrants. Immediately prior to the effective time of the merger, all outstanding shares of CSI preferred stock will convert automatically into shares of CSI common stock pursuant to the terms of CSI's articles of incorporation and a preferred stockholder conversion agreement. The number of shares of Replidyne common stock each CSI stockholder will receive will be determined using a conversion factor based on the number of outstanding shares of capital stock of Replidyne and CSI, any outstanding options and warrants to purchase shares of capital stock of Replidyne and CSI, and Replidyne's net assets, in each case calculated in accordance with the terms of the merger agreement as of immediately prior to the effective time of the merger.

**Q: How will the merger affect stock options and warrants for CSI common stock?**

A: Replidyne will assume options and warrants to purchase shares of CSI common stock which will become exercisable for shares of Replidyne common stock with the same terms, exercisability, vesting schedule and other provisions, but with the number of shares and exercise price being appropriately adjusted to reflect the conversion factor between Replidyne common stock and CSI common stock determined in accordance with the merger agreement and described above.

**Q: What are the material U.S. federal income tax consequences of the merger to me?**

A: The merger has been structured to qualify as a tax-free reorganization within the meaning of Section 368(a) of the Internal Revenue Code of 1986, as amended. As a result of the merger's qualification as a reorganization, it is anticipated that CSI stockholders will not recognize gain or loss for U.S. federal income tax purposes upon the exchange of shares of CSI common stock for shares of Replidyne common stock, except with respect to cash received in lieu of fractional shares of Replidyne common stock.

**Q: Who will be the directors of the combined company following the merger?**

A: Following the merger, the board of directors of the combined company will be comprised of ten directors, eight of whom are currently directors of CSI and two of whom are currently directors of Replidyne. The current directors of CSI that are expected to become directors of the combined company are Brent G. Blackey, John H. Friedman, Geoffrey O. Hartzler, Roger J. Howe, Michael J. Kallok, David L. Martin, Glen D. Nelson and Gary M. Petrucci. The current directors of Replidyne that are expected to become directors of the combined company are Edward Brown and Augustine Lawlor.

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**Q: Who will be the executive officers of the combined company following the merger?**

A: Following the merger, the executive management team of the combined company is expected to be composed of CSI's executive management team prior to the merger and is contemplated to include each of the following individuals serving in the position set forth opposite his name. Each of the following individuals currently serves in the same position with CSI:

<b>Name</b>	<b>Position in the Combined Company</b>
David L. Martin	President and Chief Executive Officer
Laurence L. Betterley	Chief Financial Officer
James E. Flaherty	Chief Administrative Officer and Secretary
Michael J. Kallok, Ph.D.	Chief Scientific Officer
John Borrell	Vice President of Sales
Brian Dougherty	Vice President of Marketing
Robert J. Thatcher	Executive Vice President
Paul Tyska	Vice President of Business Development
Paul Koehn	Vice President of Manufacturing

**Q: What risks should I consider in deciding whether to vote in favor of the proposals?**

A: You should carefully review the section of this proxy statement/prospectus entitled "Risk Factors" beginning on page 18, which sets forth certain risks and uncertainties related to the merger, risks and uncertainties to which the combined company's business will be subject, and risks and uncertainties to which each of Replidyne and CSI, as an independent company, is subject.

**Q: When do you expect the merger to be consummated?**

A: We anticipate that the merger will occur in the first calendar quarter of 2009 and on or around , 2009, shortly after the completion of both the Replidyne special meeting and the CSI special meeting, but we cannot predict the exact timing.

**Q: What do I need to do now?**

A: We urge you to read this proxy statement/prospectus carefully, including its annexes, and to consider how the merger affects you.

If you are a Replidyne stockholder, you may provide your proxy instructions in three different ways. First, you can mail your signed proxy card in the enclosed return envelope. Alternatively, you can provide your proxy instructions via the toll-free call center set up for this purpose at 1-800-Proxies (1-800-776-9437) in the United States or 1-718-921-8500 from foreign countries and follow the instructions. Please have your proxy card available when you call. Finally, you can provide your proxy instructions via the Internet at <http://www.voteproxy.com> and follow the on-screen instructions. Please have your proxy card available when you access the web page. Please provide your proxy instructions only once and as soon as possible so that your shares can be voted at the special meeting of Replidyne stockholders.



If you are a CSI stockholder, you may provide your proxy instructions in two different ways. First, you can mail your signed proxy card in the enclosed return envelope. Alternatively, you can provide your proxy instructions via facsimile to . Please provide your proxy instructions only once and as soon as possible so that your shares can be voted at the special meeting of CSI stockholders.

**Q: As a Replidyne stockholder, how does Replidyne s board of directors recommend that I vote?**

A: After careful consideration, Replidyne s board of directors has approved the merger agreement and each of the proposals described in this proxy statement/prospectus that the stockholders of Replidyne are being asked to consider, and has determined that they are advisable, fair to and in the best interests of Replidyne stockholders. Accordingly, Replidyne s board of directors recommends that Replidyne stockholders vote FOR each such proposal.

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**Q: As a CSI stockholder, how does CSI's board of directors recommend that I vote?**

A: After careful consideration, CSI's board of directors has approved the merger agreement and each of the proposals described in this proxy statement/prospectus that the stockholders of CSI are being asked to consider, and has determined that they are advisable, fair to and in the best interests of CSI stockholders. Accordingly, CSI's board of directors recommends that CSI stockholders vote **FOR** each such proposal.

**Q: What happens if I do not return a proxy card or otherwise provide proxy instructions?**

A: If you are a Replidyne stockholder and you do not submit a proxy card or vote at the Replidyne special meeting, your shares will not be counted as present for the purpose of determining the presence of a quorum and will have no effect on the approval of Replidyne Proposal Nos. 1, 5, 6 and 7, but would have the same effect as voting against Replidyne Proposal Nos. 2, 3 and 4. Broker non-votes will similarly have no effect on the approval of Replidyne Proposal Nos. 1, 5, 6 and 7, but would have the same effect as voting against Replidyne Proposal Nos. 2, 3 and 4. If you submit a proxy card and affirmatively elect to abstain from voting, your proxy will be counted as present for the purpose of determining the presence of a quorum but will not be voted at the meeting. As a result, your abstention will have no effect on the approval of Replidyne Proposal Nos. 1, 5, 6 and 7, but would have the same effect as voting against Replidyne Proposal Nos. 2, 3 and 4.

If you are a CSI stockholder and you do not submit a proxy card or vote at the CSI special meeting, your shares will not be counted as present for the purpose of determining the presence of a quorum and would have the same effect as voting against CSI Proposal No. 1, but will have no effect on the approval of CSI Proposal Nos. 2 and 3. If you submit a proxy card and affirmatively elect to abstain from voting, your proxy will be counted as present for the purpose of determining the presence of a quorum but will not be voted at the meeting. As a result, your abstention would have the same effect as voting against CSI Proposal No. 1, but will have no effect on the approval of CSI Proposal Nos. 2 and 3.

**Q: May I vote in person?**

A: If your shares of Replidyne common stock are registered directly in your name with Replidyne's transfer agent you are considered, with respect to those shares, the stockholder of record, and the proxy materials and proxy card are being sent directly to you. If you are a Replidyne stockholder of record as of \_\_\_\_\_, 2009, you may attend the special meeting of Replidyne stockholders to be held on \_\_\_\_\_, 2009 and vote your shares in person, rather than signing and returning your proxy card or otherwise providing proxy instructions. However, we urge you to return your proxy card with your voting instructions in any event, just in case your plans should change.

If your shares of Replidyne common stock are held in a brokerage account or by another nominee, you are considered the beneficial owner of shares held in street name, and the proxy materials are being forwarded to you together with a voting instruction card. As the beneficial owner, you are also invited to attend the special meeting of Replidyne stockholders. Since a beneficial owner is not the stockholder of record, you may not vote these shares in person at the special meeting unless you obtain a legal proxy from the broker, trustee or nominee that holds your shares, giving you the right to vote the shares at the meeting.

If your shares of CSI common stock or preferred stock are registered directly in your name on the books of CSI you are considered, with respect to those shares, the stockholder of record, and the proxy materials and proxy card are being sent directly to you. If you are a CSI stockholder of record as of \_\_\_\_\_, 2009, you may attend the special meeting of CSI stockholders to be held on \_\_\_\_\_, 2009 and vote your shares in person, rather than signing and returning your proxy card or otherwise providing proxy instructions. However, we urge you to return your

proxy card with your voting instructions in any event, just in case your plans should change.

**Q: If my Replidyne shares are held in street name by my broker, will my broker vote my shares for me?**

A: Your broker will not be able to vote your shares of Replidyne common stock without instructions from you. You should instruct your broker to vote your shares, following the procedure provided by your broker.

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**Q: May I change my vote after I have provided proxy instructions?**

A: Replidyne stockholders of record, other than those Replidyne stockholders who have executed voting agreements, may change their vote at any time before their proxy is voted at the Replidyne special meeting in one of three ways. First, you can send a written notice stating that you would like to revoke your proxy. Second, you can submit new proxy instructions either on a new proxy card, by telephone or via the Internet. Third, you can attend the meeting and vote in person. Your attendance alone will not revoke your proxy. If you have instructed a broker to vote your shares, you must follow directions received from your broker to change those instructions.

CSI stockholders of record, other than those CSI stockholders who have executed voting agreements, may change their vote at any time before their proxy is voted at the CSI special meeting in one of three ways. First, you can send a written notice stating that you would like to revoke your proxy. Second, you can submit new proxy instructions either on a new proxy card, by mail or facsimile. Third, you can attend the CSI special meeting and vote in person. Your attendance alone will not revoke your proxy.

**Q: Am I entitled to appraisal or dissenters rights?**

A: Under Delaware law, holders of Replidyne common stock are not entitled to appraisal rights in connection with the merger.

Under Minnesota law, holders of CSI common stock and preferred stock are entitled to dissenters rights in connection with the merger. If you do not wish to accept shares of Replidyne common stock in the merger and you do not vote in favor of CSI Proposal No. 1, you have the right under Minnesota law to seek from CSI the fair value of your shares in lieu of the Replidyne common stock you would receive if the merger is completed. We refer you to the information under the heading *Appraisal and Dissenters Rights* on page 73 of this proxy statement/prospectus and to the applicable Minnesota statute attached as *Annex F* to this proxy statement/prospectus for information on how to exercise your dissenters rights. Failure to follow all of the steps required under Minnesota law will result in the loss of your dissenters rights.

**Q: Who is paying for this proxy solicitation?**

A: Replidyne and CSI are conducting this proxy solicitation and will each bear one-half the cost of the proxy solicitation, including the preparation, assembly, printing and mailing of this proxy statement/prospectus, the proxy card and any additional information furnished to stockholders. Replidyne and CSI will each bear its own legal expenses. Replidyne has engaged and will pay D. F. King & Co, Inc., a proxy solicitation firm, to solicit proxies from Replidyne stockholders. Replidyne may also reimburse brokerage houses and other custodians, nominees and fiduciaries for their costs of forwarding proxy and solicitation materials to beneficial owners.

**Q: Who can help answer my questions?**

A: If you are a Replidyne stockholder and would like additional copies, without charge, of this proxy statement/prospectus or if you have questions about the merger, including the procedures for voting your shares, you should contact:

Replidyne, Inc.  
Attn: Investor Relations  
1450 Infinite Drive  
Louisville, CO 80027

(303) 996-5500

If you are a CSI stockholder and would like additional copies, without charge, of this proxy statement/prospectus or if you have questions about the merger, including the procedures for voting your shares, you should contact:

Cardiovascular Systems, Inc.  
Attn: Investor Relations  
651 Campus Drive  
St. Paul, MN 55112  
(651) 259-2800

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**SUMMARY**

*This summary highlights selected information from this proxy statement/prospectus. To understand the merger fully, you should read carefully this entire document and the documents to which we refer, including the annexes attached hereto. See *Where You Can Find More Information* on page 245. The merger agreement is attached as Annex A to this proxy statement/prospectus. We encourage you to read the merger agreement as it is the legal document that governs the merger. We have included page references in parentheses to direct you to a more detailed description of the topics presented in this summary.*

**The Companies**

**Replidyne, Inc.**

1450 Infinite Drive  
Louisville, CO 80027  
(303) 996-5500

Replidyne was incorporated in Delaware in December 2000 and began as a biopharmaceutical company focused on discovering, developing, in-licensing and commercializing innovative anti-infective products. In April 2008, Replidyne suspended enrollment in the last of its clinical trials on its lead product candidate, faropenem medoxomil, in order to conserve its cash assets and further support initiatives related to the pursuit of strategic transactions. As a result of its inability to secure a partner for the faropenem medoxomil program, Replidyne announced in June 2008 that it would return the license for faropenem medoxomil to its licensor, Asubio Pharma Co., Ltd. In August 2008, Replidyne suspended the development of REP3123, an investigational narrow-spectrum antibacterial agent for the treatment of *clostridium difficile* (*C. difficile*) bacteria and *C. difficile* infection, and its other anti-infective programs based on its bacterial DNA replication inhibition technology. These and subsequent related actions have reduced the Replidyne workforce to a level of three employees as of December 31, 2008. Replidyne is pursuing the sale of REP3123 and its related technology and the sale of the anti-infective programs based on its bacterial DNA replication inhibition technology in a transaction or transactions separate from the merger. Replidyne no longer has employees engaged in development and commercialization activities.

**Responder Merger Sub, Inc.**

1450 Infinite Drive  
Louisville, CO 80027  
(303) 996-5500

Responder Merger Sub, Inc. is a wholly owned subsidiary of Replidyne that was incorporated in Minnesota in October 2008. Responder Merger Sub, Inc. does not engage in any operations and exists solely to facilitate the merger.

**Cardiovascular Systems, Inc.**

651 Campus Drive,  
St. Paul, MN 55112  
(651) 259-2800

CSI is a medical device company focused on developing and commercializing interventional treatment systems for vascular disease. CSI's initial product, the Diamondback 360° Orbital Atherectomy System, is a minimally invasive catheter system for the treatment of peripheral arterial disease, or PAD. In August 2007, the U.S. Food and Drug Administration, or FDA, granted CSI 510(k) clearance for use of the Diamondback 360° as a therapy in patients with

PAD. CSI was formed in 1989 as Shturman Cardiology Systems, Inc. and is incorporated in Minnesota.

**The Merger (see page 49)**

If the merger is consummated, CSI and Responder Merger Sub, Inc. will merge, with CSI surviving as a wholly owned subsidiary of Replidyne. It is anticipated that shortly after the merger Replidyne will change its name to

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Cardiovascular Systems, Inc. A copy of the merger agreement is attached as *Annex A* to this proxy statement/prospectus. You are encouraged to read the merger agreement in its entirety because it is the legal document that governs the merger.

Immediately after the merger, subject to adjustments to reflect certain events that could occur prior to closing of the merger, CSI stockholders, optionholders and warrant holders will own or have the right to acquire between 83.0% and 83.7% of the combined company and Replidyne stockholders, optionholders and warrant holders will own or have the right to acquire between 16.3% and 17.0% of the combined company, in each case calculated on a fully diluted basis using the treasury stock method of accounting for options and warrants. Replidyne will assume outstanding and unexercised options and warrants to purchase CSI common stock, and they will be converted into options and warrants, as applicable, to purchase Replidyne common stock. The foregoing percentages assume that Replidyne's net assets at closing are between \$35.0 and \$37.0 million as calculated in accordance with the terms of the merger agreement.

For a more complete description of the merger conversion factor, see the section entitled "The Merger Agreement" in this proxy statement/prospectus.

The closing of the merger will occur no later than the fifth business day after the last of the conditions to the merger has been satisfied or waived, or at another time as Replidyne and CSI agree. Replidyne and CSI anticipate that the consummation of the merger will occur shortly after the Replidyne and CSI special meetings. However, because the merger is subject to a number of conditions, neither Replidyne nor CSI can predict exactly when the closing will occur or if it will occur at all. After completion of the merger, assuming that Replidyne receives the required stockholder approval of Replidyne Proposal No. 3, Replidyne will be renamed Cardiovascular Systems, Inc.

### **Reasons for the Merger (see page 55)**

The combined company that results from the merger will be a medical device company focused on developing and commercializing interventional treatment systems for vascular disease. CSI's initial product, the Diamondback 360° Orbital Atherectomy System, is a minimally invasive catheter system for the treatment of peripheral arterial disease, or PAD. Replidyne and CSI believe that the combined company will have the following potential advantages:

*Highly differentiated product.* The Diamondback 360° Orbital Atherectomy System has received FDA clearance. Replidyne and CSI also believe that the Diamondback 360° has features that differentiate it from other FDA approved or cleared minimally invasive atherectomy devices. CSI's revenues in the four fiscal quarters since the launch of the product and the high reorder rate among its initial customers demonstrate CSI's ability to retain its customer base.

*Financial resources of the combined company.* CSI believes that Replidyne's projected available cash at closing, together with CSI's other cash resources, will be sufficient to fund CSI's currently projected operating requirements for the foreseeable future.

*Large underserved PAD market opportunity.* PAD is a circulatory problem in which plaque deposits build up on the walls of arteries, reducing blood flow to the limbs. As cited by the authors of the PARTNERS study published in the Journal of the American Medical Association in 2001, PAD affects approximately eight to 12 million people in the United States. Despite the severity of PAD, it remains relatively under diagnosed. Recent emphasis on PAD education from medical associations, insurance companies and other groups, coupled with publications in medical journals, is increasing physician and patient awareness of PAD risk factors, symptoms and treatment options.



*Proven management team with deep PAD experience.* CSI's management team has a background in developing and marketing PAD devices and has demonstrated the ability to successfully execute CSI's growth strategy.

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Each of the board of directors of Replidyne and CSI also considered other reasons for the merger, as described herein. The board of directors of Replidyne considered, among other things:

the strategic alternatives available to Replidyne, including a transaction with another potential partner, liquidation of the company and the continued development of its former product candidates;

the failure of Replidyne's lead product candidate, faropenem medoxomil, to receive approval from the FDA for its new drug application;

the early stage of development of Replidyne's research pipeline programs and the capital that would be required to achieve regulatory approval to complete the development of those programs; and

the recent volatility in the public markets that, when combined with Replidyne's net cash position and its public listing, could allow Replidyne to obtain favorable terms in a reverse merger transaction.

In addition, the board of directors of CSI approved the merger based on a number of factors, including the following:

the expectation that the merger would be a more time- and cost-effective means to access capital than other options considered, including an initial public offering or an additional round of private equity financing;

the judgment of CSI's board of directors that the merger is the best alternative available to CSI and its stockholders; and

the likelihood that the merger will be consummated on a timely basis.

### **Opinion of Replidyne's Financial Advisor (see page 60)**

Morgan Stanley & Co. Incorporated, or Morgan Stanley, the financial advisor of Replidyne, delivered to the board of directors of Replidyne a written opinion, dated November 3, 2008, addressed to the board of directors of Replidyne, to the effect that, as of the date of the opinion and based on and subject to the various assumptions, qualifications and limitations set forth in the opinion, the conversion factor pursuant to the merger agreement was fair from a financial point of view to Replidyne. The full text of Morgan Stanley's opinion, which sets forth, among other things, the assumptions made, procedures followed, matters considered and limitations on the scope of the review undertaken by Morgan Stanley in rendering its opinion, is attached as *Annex D* to this proxy statement/prospectus and is incorporated by reference in its entirety into this proxy statement/prospectus. Holders of Replidyne common stock are encouraged to read the opinion carefully and in its entirety. **Morgan Stanley's opinion was directed to the board of directors of Replidyne and only addresses the fairness from a financial point of view of the conversion factor pursuant to the merger agreement to Replidyne as of the date of the opinion. Morgan Stanley's opinion does not address any other aspect of the proposed merger or any alternative to the proposed merger. Morgan Stanley expressed no opinion or recommendation as to how the stockholders of Replidyne or CSI should vote at the stockholders meetings to be held in connection with the proposed merger.**

### **Overview of the Merger Agreement**

#### *Merger Consideration (see page 77)*

At the effective time of the merger, each share of CSI capital stock not held as treasury stock or owned by CSI shall be converted into a right to receive a number of shares of Replidyne common stock equal to the conversion factor. The

conversion factor shall equal: (i) (A) the number of surviving Replidyne securities divided by the Replidyne post-closing stockholder ownership percentage minus (B) the number of surviving Replidyne securities, divided by (ii) the number of converting CSI securities, each as defined in the merger agreement and explained in this proxy statement/prospectus.

Pursuant to the terms of the merger agreement, CSI and Replidyne have agreed upon a methodology to determine the conversion factor as defined above. The conversion factor shall be determined as of immediately prior to the effective time of the merger and is subject to change based upon Replidyne's net assets as of such time, and the number of shares of CSI and Replidyne capital stock outstanding and issuable upon exercise of outstanding options

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and warrants, each as calculated in accordance with the terms of the merger agreement. For illustrative purposes only, below is a table that sets forth several levels of net assets for Replidyne as of the closing of the merger, and the conversion factor and aggregate post-closing ownership percentage in the combined company for the stockholders, optionholders and warrant holders of each of Replidyne and CSI that would result based on each such level of net assets, in each case calculated in accordance with the terms of the merger agreement and assuming that the capitalization of both Replidyne and CSI is as of October 31, 2008, except that the acceleration of vesting of certain outstanding options to purchase Replidyne common stock that is expected to occur upon the consummation of the merger is assumed to have occurred for purposes of this calculation.

Net Assets	Conversion Factor	Replidyne Securityholder	CSI Securityholder
		Ownership Percentage in the Combined Company	Ownership Percentage in the Combined Company
\$ 41,000,000	6.304	17.4%	82.6%
40,000,000	6.460	17.0%	83.0%
37,000,000	6.460	17.0%	83.0%
36,000,000	6.624	16.7%	83.3%
35,000,000	6.797	16.3%	83.7%
34,000,000	6.979	15.9%	84.1%
33,000,000	7.172	15.6%	84.4%

The foregoing table is presented for illustrative purposes only. The conversion factor is subject to the variables described above and will not be calculated until immediately prior to the effective time of the merger. Replidyne cannot assure you that its level of net assets as of the effective time of the merger will fall within the range set forth in this table. The conversion factor is subject to proportionate adjustment to account for the effect of the reverse stock split of Replidyne's issued and outstanding common stock.

***Conditions to the Completion of the Merger (see page 81)***

Each party's obligation to complete the merger is subject to a number of conditions, which may be waived by the applicable party, and that include, among others, and subject to specified exceptions, the following:

stockholders of CSI must have approved and adopted the merger agreement and the merger contemplated therein, and stockholders of Replidyne must have approved the issuance of Replidyne common stock in the merger and the amendment to the restated certificate of incorporation of Replidyne;

no temporary restraining order, preliminary or permanent injunction or other order preventing the consummation of the merger shall have been issued by any court of competent jurisdiction or other governmental body and remain in effect, and there shall not be any legal requirement enacted or deemed applicable to the merger that makes consummation of the merger illegal;

the initial listing application on the Nasdaq Global Market shall have been conditionally approved, and the shares of Replidyne common stock to be issued in the merger shall be conditionally approved for listing on the Nasdaq Global Market, both subject only to the completion of the closing and completion by Replidyne of any

reverse stock split required by Nasdaq; and

since the signing of the merger agreement, there shall not have occurred and be continuing any material adverse effect for either party.

***Limitation on Soliciting, Discussing or Negotiating Other Acquisition Proposals (see page 84)***

Pursuant to the merger agreement, each of Replidyne and CSI agreed that, except as described below, they will not, during the pre-closing period, directly or indirectly:

solicit, initiate, knowingly encourage, induce or facilitate the making, submission or announcement of any acquisition proposal or acquisition inquiry, each as defined in the merger agreement and explained in this proxy statement/prospectus, or take any action that would reasonably be expected to lead to an acquisition proposal or acquisition inquiry;

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furnish any nonpublic information regarding CSI or Replidyne, as the case may be, to any person in connection with or in response to an acquisition proposal or acquisition inquiry;

engage in discussions or negotiations with any person with respect to any acquisition proposal or acquisition inquiry;

approve, endorse or recommend any acquisition proposal; or

execute or enter into any letter of intent or similar document or any contract contemplating or otherwise relating to any acquisition transaction.

Notwithstanding the foregoing, prior to obtaining the consent of its stockholders, either party may furnish information regarding such party to, and may enter into discussions or negotiations with, any third party in response to a superior offer (as defined in the merger agreement and explained in this proxy statement/prospectus) or an unsolicited bona fide written acquisition proposal made or received after the date of the merger agreement that is reasonably likely to result in a superior offer, if:

neither such party nor any representative of such party has breached the no solicitation provisions of the merger agreement described above with respect to that particular superior offer or acquisition proposal;

the board of directors of such party concludes in good faith, based on the advice of outside legal counsel, that such action is required in order for such party's board of directors to comply with its fiduciary obligations to such party's stockholders under applicable legal requirements;

at least three business days prior to furnishing any such information to, or entering into discussions with, such person, such party gives the other party written notice of the identity of such person and of such party's intention to furnish information to, or enter into discussions with, such person;

such party receives from such person an executed confidentiality agreement containing provisions (including nondisclosure provisions, use restrictions, non-solicitation provisions, no hire provisions and standstill provisions) at least as favorable to such party as those contained in the confidentiality agreement previously entered into between Replidyne and CSI; and

at least three business days prior to furnishing any such nonpublic information to such person, such party furnishes such information to the other party (to the extent such nonpublic information has not been previously furnished by such party to the other party).

***Termination of the Merger Agreement (see page 90)***

The merger agreement may be terminated prior to the effective time of the merger (whether before or after approval and adoption of the merger agreement by CSI stockholders and whether before or after approval of the amendment to Replidyne's restated certificate of incorporation and the issuance of Replidyne common stock in the merger by Replidyne stockholders):

by mutual written consent of Replidyne and CSI, duly authorized by their respective boards of directors;

subject to certain limitations, by either Replidyne or CSI if the merger shall not have been consummated by April 30, 2009;

by either Replidyne or CSI if a court of competent jurisdiction or other governmental body shall have issued a final and nonappealable order, or shall have taken any other final and nonappealable action, having the effect of permanently restraining, enjoining or otherwise prohibiting the consummation of the merger;

by either Replidyne or CSI if Replidyne stockholders fail to approve either the amendment to Replidyne's restated certificate of incorporation or the issuance of the Replidyne common stock pursuant to the merger agreement at the special meeting;

by either Replidyne or CSI if CSI stockholders fail to approve the adoption of the merger agreement at the special meeting;

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by either Replidyne or CSI if (i) the Replidyne board of directors has withheld, withdrawn, amended or modified its recommendation because it has determined in good faith, based on the advice of its outside legal counsel, that such action is required in order for the Replidyne board of directors to comply with its fiduciary obligations to Replidyne stockholders under applicable legal requirements, or (ii) Replidyne enters into a letter of intent, memorandum of understanding or definitive agreement with respect to a superior offer;

by either Replidyne or CSI if (i) the CSI board of directors has withheld, withdrawn, amended or modified its recommendation because it has determined in good faith, based on the advice of its outside legal counsel, that such action is required in order for the CSI board of directors to comply with its fiduciary obligations to CSI stockholders under applicable legal requirements, or (ii) CSI enters into a letter of intent, memorandum of understanding or definitive agreement with respect to a superior offer; or

subject to certain limitations, by either party in the event of any inaccuracy of representations and warranties of the other party having a material adverse effect or a material breach by the other party of its obligations or covenants under the merger agreement.

***Termination Fees (see page 91)***

Replidyne must pay CSI a nonrefundable fee of \$1.5 million and reimburse CSI for all actual out of pocket legal, accounting and investment advisory fees paid or payable in connection with the merger agreement and transactions contemplated by the merger agreement if:

the merger agreement is terminated by Replidyne or CSI if (i) the Replidyne board of directors has withheld, withdrawn, amended or modified its recommendation because it has determined in good faith, based on the advice of its outside legal counsel, that such action is required in order for the Replidyne board of directors to comply with its fiduciary obligations to Replidyne stockholders under applicable legal requirements, or (ii) Replidyne enters into a letter of intent, memorandum of understanding or definitive agreement with respect to a superior offer; or

the merger agreement is terminated by Replidyne or CSI if the stockholders of Replidyne do not approve either the amendment to Replidyne's restated certificate of incorporation or the issuance of Replidyne common stock at the Replidyne special meeting of stockholders, and both of the following conditions are met:

prior to the Replidyne special meeting of stockholders, an acquisition proposal with respect to Replidyne has been publicly made and not withdrawn; and

within twelve months of the termination of the merger agreement, Replidyne enters into any agreement for an acquisition transaction contemplated by such acquisition proposal or consummates an acquisition transaction contemplated by such acquisition proposal.

CSI must pay Replidyne a nonrefundable fee of \$1.5 million and reimburse Replidyne for all actual out of pocket legal, accounting and investment advisory fees paid or payable in connection with the merger agreement and transactions contemplated by the merger agreement if:

the merger agreement is terminated by Replidyne or CSI if (i) the CSI board of directors has withheld, withdrawn, amended or modified its recommendation because it has determined in good faith, based on the advice of its outside legal counsel, that such action is required in order for the CSI board of directors to comply with its fiduciary obligations to CSI stockholders under applicable legal requirements, or (ii) CSI enters into a



letter of intent, memorandum of understanding or definitive agreement with respect to a superior offer; or the merger agreement is terminated by Replidyne or CSI if the stockholders of CSI do not approve the adoption of the merger agreement (including the consummation of the merger) at the CSI special meeting of stockholders, and all of the following conditions are met:

prior to the CSI special meeting of stockholders, an acquisition proposal with respect to CSI has been publicly made and not withdrawn; and

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within twelve months of the termination of the merger agreement, CSI enters into any agreement for an acquisition transaction contemplated by such acquisition proposal or consummates an acquisition transaction contemplated by such acquisition proposal.

### **Voting Agreements (see page 93)**

In order to induce Replidyne to enter into the merger agreement, several CSI stockholders entered into voting agreements with and granted irrevocable proxies in favor of Replidyne pursuant to which, among other things, each of these stockholders agreed, solely in its capacity as a stockholder, to vote shares representing approximately 20% of the outstanding capital stock of CSI in favor of the merger, the other actions contemplated by the merger agreement and any action in furtherance of any of the foregoing, and against, among other things, any proposal made in opposition to, or in competition with, the merger. These stockholders represented the maximum number of the outstanding shares of CSI capital stock that could be made subject to these voting agreements under Minnesota corporate law. All of these stockholders are executive officers, directors, or entities controlled by such persons, or 5% stockholders, of CSI.

In addition, in order to induce CSI to enter into the merger agreement, several Replidyne stockholders, who together with their respective affiliates, beneficially own approximately 48% of the outstanding common stock of Replidyne, entered into voting agreements and irrevocable proxies in favor of CSI pursuant to which, among other things, each of these stockholders agreed, solely in his capacity as a stockholder, to vote shares representing approximately 32% of the outstanding common stock of Replidyne in favor of the merger, the other actions contemplated by the merger agreement and any action in furtherance of any of the foregoing, and against, among other things, any proposal made in opposition to, or in competition with, the merger.

Replidyne and CSI stockholders that executed these voting agreements have agreed not to engage in certain actions that would solicit, encourage or support acquisition transactions other than the merger.

### **Lock-up Agreements (see page 94)**

The directors and certain stockholders of both Replidyne and CSI entered into lock-up agreements in favor of Replidyne and CSI pursuant to which they have agreed, subject to limited exceptions, not to sell or otherwise dispose of any shares of CSI common stock or Replidyne common stock or any securities convertible into or exercisable or exchangeable for shares of CSI common stock or Replidyne common stock or engage in certain transactions with respect thereto during the period beginning on the date of the merger agreement and ending 90 days after the closing of the merger. The lock-up restrictions will not apply to certain transfers not involving a disposition for value, provided that the recipient agrees to be bound by these lock-up restrictions and provided that such transfers are not required to be reported, and are not voluntarily reported, in any public report or filing with the SEC during the lock-up period. As of December 31, 2008, the parties to the lock-up agreements owned approximately 37% of Replidyne's outstanding common stock and 28% of CSI's outstanding capital stock, calculated on an as-converted to common stock basis.

Pursuant to the merger agreement, Replidyne and CSI have each agreed to use commercially reasonable efforts to cause its respective officers to enter into lock-up agreements in favor of Replidyne and CSI on substantially the same terms as described above.

### **CSI Stock Options and Warrants (see page 72)**

Upon the consummation of the merger, Replidyne will assume all options and warrants to purchase shares of CSI common stock. Each CSI option and warrant will become exercisable for shares of Replidyne common stock, and the

share quantity and exercise price of each instrument will be adjusted according to the conversion factor between Replidyne common stock and CSI common stock determined in accordance with the merger agreement.

**Conversion of CSI Preferred Stock (see page 94)**

Concurrently with the execution of the merger agreement, the holders of approximately 68% of CSI's outstanding preferred stock, calculated on an as-converted to common stock basis, entered into an agreement with

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CSI pursuant to which all outstanding shares of CSI preferred stock will be automatically converted into shares of CSI common stock, effective as of immediately prior to the effective time of the merger.

**Management Following the Merger (see page 66)**

Immediately following the merger, the executive management team of the combined company is expected to be composed of CSI's executive management team prior to the merger and is contemplated to include the following individuals serving in the position set forth opposite his name. Each of the following individuals currently serves in the same position with CSI:

<b>Name</b>	<b>Position in the Combined Company</b>
David L. Martin	President and Chief Executive Officer
Laurence L. Betterley	Chief Financial Officer
James E. Flaherty	Chief Administrative Officer and Secretary
Michael J. Kallok, Ph.D.	Chief Scientific Officer
John Borrell	Vice President of Sales
Brian Doughty	Vice President of Marketing
Robert J. Thatcher	Executive Vice President
Paul Tyska	Vice President of Business Development
Paul Koehn	Vice President of Manufacturing

**Interests of Certain Directors, Officers and Affiliates of Replidyne and CSI (see page 66)*****Interests of Replidyne's Executive Officers and Directors in the Merger***

When considering the recommendation by the Replidyne board of directors, you should be aware that a number of Replidyne's executive officers and directors have interests in the merger that are different from those of other Replidyne stockholders. As of December 31, 2008, all directors and executive officers of Replidyne, together with their affiliates, beneficially owned approximately 35% of the shares of Replidyne common stock. For a more complete description of the interests of current and former officers and directors of Replidyne, see the section entitled "Interests of Replidyne's Executive Officers and Directors in the Merger" on page 66 of this proxy statement/prospectus.

***Interests of CSI's Executive Officers and Directors in the Merger***

You also should be aware that a number of CSI's executive officers and directors have interests in the merger that are different from those of other CSI stockholders. As of December 31, 2008, all directors and executive officers of CSI, together with their affiliates, beneficially owned approximately 28% of the shares of CSI capital stock. For a more complete description of the interests of current and former officers and directors of CSI, see the section entitled "Interests of CSI's Executive Officers and Directors in the Merger" on page 70 of this proxy statement/prospectus.

**Risk Factors (see page 18)**

The merger (including the possibility that the merger may not be completed) poses a number of risks to each company and its respective stockholders. In addition, both Replidyne and CSI are subject to various risks associated with their businesses and their industries, and the combined company is subject to additional risks. The risks are discussed in greater detail under the caption "Risk Factors" beginning on page 18 of this proxy statement/prospectus. Replidyne and CSI both encourage you to read and consider all of these risks carefully.

**Material U.S. Federal Income Tax Consequences of the Merger (see page 74)**

As provided in the merger agreement, Cooley Godward Kronish LLP and Fredrikson & Byron, P.A. will each issue a tax opinion to the effect that the merger will constitute a reorganization under Section 368 of Internal Revenue Code of 1986, as amended. In such a reorganization, a CSI stockholder generally will not recognize any

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gain or loss for U.S. federal income tax purposes upon the exchange of its shares of CSI capital stock for shares of Replidyne common stock. However, any cash received for any fractional share will result in the recognition of gain or loss as if such stockholder sold its fractional share.

Tax matters can be complicated, and the tax consequences of the merger to you will depend on the facts of your own situation. You should consult your own tax advisors to fully understand the tax consequences of the merger to you, including the applicability and effect of federal, state, local and foreign income and other tax laws.

## **Regulatory Approvals and Nasdaq Stock Market Listing (see page 73)**

As of the date of this proxy statement/prospectus, neither Replidyne nor CSI is required to make filings or to obtain approvals or clearances from any antitrust regulatory authorities in the United States or other countries to consummate the merger. In the United States, Replidyne must comply with applicable federal and state securities laws and the rules and regulations of any stock exchange to which it becomes subject, in connection with the issuance of shares of Replidyne common stock in the merger and the filing of this proxy statement/prospectus with the Securities and Exchange Commission.

Replidyne and CSI have filed an initial listing application with the Nasdaq Global Market pursuant to Nasdaq Stock Market LLC reverse merger rules. If such application is accepted, Replidyne and CSI anticipate that the combined company's stock will be listed on the Nasdaq Global Market following the closing of the merger under the trading symbol CSII.

## **Anticipated Accounting Treatment (see page 76)**

The merger will be treated as a purchase of the net assets of Replidyne by CSI in accordance with accounting principles generally accepted in the United States.

## **Appraisal and Dissenters' Rights (see page 73)**

Under Delaware law, holders of Replidyne common stock are not entitled to appraisal rights in connection with the merger.

Under Minnesota law, holders of CSI common stock and preferred stock are entitled to dissenters' rights in connection with the merger. A CSI stockholder that does not wish to accept shares of Replidyne common stock in the merger and does not vote in favor of the merger has the right under Minnesota law to seek from CSI the fair value of the holder's CSI shares in lieu of the Replidyne common stock the CSI stockholder would receive if the merger is completed. A CSI stockholder's failure to follow all of the steps required under Minnesota law will result in the loss of dissenters' rights.

## **Comparison of Stockholder Rights (see page 222)**

Replidyne is incorporated under the laws of the State of Delaware, and the rights of Replidyne stockholders are accordingly governed by the Delaware General Corporation Law, or DGCL. CSI is incorporated under the laws of the State of Minnesota, and the rights of CSI stockholders are accordingly governed by the Minnesota Business Corporation Act, or MBCA. If the merger is completed, CSI stockholders will become stockholders of Replidyne, and their rights will be governed by the DGCL and the restated certificate of incorporation and the bylaws of Replidyne, as they may be amended. The rights of Replidyne stockholders under the DGCL and the restated certificate of incorporation and bylaws of Replidyne differ from the rights of CSI stockholders under the MBCA and the articles of incorporation and bylaws of CSI.



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**SELECTED HISTORICAL AND UNAUDITED PRO FORMA CONDENSED  
COMBINED FINANCIAL DATA**

*The following tables present summary historical financial data for Replidyne and CSI, summary unaudited pro forma condensed combined financial data for Replidyne and CSI, and comparative historical and unaudited pro forma per share data for Replidyne and CSI.*

**Selected Historical Financial Data of Replidyne**

The following selected financial data should be read together with Replidyne's financial statements and accompanying notes and Management's Discussion and Analysis of Financial Condition and Results of Operations for Replidyne included elsewhere in this proxy statement/prospectus. The selected financial data in this section is not intended to replace Replidyne's financial statements and the accompanying notes. Historical results are not necessarily indicative of operating results to be expected in the future.

The selected financial data presented below for each year in the five years ended December 31, 2007 are derived from Replidyne's audited financial statements, and are qualified by reference to such financial statements and notes thereto. The statements of operations data for the years ended December 31, 2005, 2006 and 2007 and the balance sheet data as of December 31, 2006 and 2007 are derived from Replidyne's audited financial statements included elsewhere in this proxy statement/prospectus. The statements of operations data for the years ended December 31, 2003 and 2004 and the balance sheet data as of December 31, 2003, 2004 and 2005 are derived from Replidyne's audited financial statements not included in this proxy statement/prospectus. The statements of operations data for the nine months ended September 30, 2007 and 2008 and the balance sheet data as of September 30, 2008 are derived from Replidyne's unaudited financial statements that are included elsewhere in this proxy statement/prospectus. The unaudited financial data as of September 30, 2008 and for the nine months ended September 30, 2007 and 2008 include all adjustments (consisting only of normal recurring adjustments) that Replidyne considers necessary for a fair presentation of the financial position and operating results for the periods presented.



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	<b>Years Ended December 31,</b>					<b>Nine Months Ended</b>	
<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006(1)</b>	<b>2007(1)</b>	<b>2007(1)</b>	<b>2008(1)</b>	
	<b>(In thousands, except per share amounts)</b>					<b>(unaudited)</b>	<b>(unaudited)</b>
<b>Statement of Operations Data:</b>							
Revenue	\$ 726	\$ 834	\$ 441	\$ 15,988	\$ 58,571	\$ 58,571	\$
Costs and expenses							
Research and development	12,331	16,282	29,180	38,295	43,313	28,462	26,842
Sales, general and administrative	2,155	2,994	5,329	12,187	13,020	9,803	12,290
Total costs and expenses	14,486	19,276	34,509	50,482	56,333	38,265	39,132
Income (loss) from operations	(13,760)	(18,442)	(34,068)	(34,494)	2,238	20,306	(39,132)
Other income (expense), net	(190)	(797)	399	5,245	5,454	4,329	1,529
Net income (loss)	(13,950)	(19,239)	(33,669)	(29,249)	7,692	24,635	(37,603)
Preferred stock dividends and accretion	(1,294)	(3,560)	(7,191)	(5,391)			
Net income (loss) attributable to common stockholders	\$ (15,244)	\$ (22,799)	\$ (40,860)	\$ (34,640)	\$ 7,692	\$ 24,635	\$ (37,603)
Basic net income (loss) attributable to common stockholders per share	\$ (20.82)	\$ (30.55)	\$ (39.20)	\$ (2.49)	\$ 0.29	\$ 0.92	\$ (1.39)
Diluted net income (loss) attributable to common stockholders per share	\$ (20.82)	\$ (30.55)	\$ (39.20)	\$ (2.49)	\$ 0.28	\$ 0.89	\$ (1.39)
Weighted average shares used in computing net (income) loss per share:							
Basic	732	746	1,042	13,908	26,730	26,696	27,049

Diluted 732 746 1,042 13,908 27,666 27,666 27,049

(1) Costs and expenses for periods subsequent to December 31, 2005 include stock-based compensation expense in accordance with SFAS No. 123(R), *Share-Based Payment*, which was adopted by Replidyne on January 1, 2006.

	2003	2004	As of December 31, 2005 2006 (In thousands)		2007	As of September 30, 2008  (unaudited)
<b>Consolidated Balance Sheet Data:</b>						
Cash, cash equivalents and short-term investments	\$ 692	\$ 27,018	\$ 59,420	\$ 125,567	\$ 90,266	\$ 50,591
Working capital	(1,657)	24,409	50,755	68,147	80,440	45,034
Total assets	4,169	30,067	63,579	135,561	94,690	52,112
Long-term debt, net of current portion and discount	1,208	84				
Accumulated deficit	(20,105)	(42,235)	(83,107)	(116,980)	(109,288)	(146,891)
Preferred stock	20,058	69,447	136,815			
Total shareholders equity (deficit)	(20,115)	(42,202)	(82,632)	71,372	82,404	45,237

**Table of Contents****Selected Historical Financial Data of CSI**

The following table presents CSI's selected historical consolidated financial data. CSI derived the selected statements of operations data for the years ended June 30, 2006, 2007 and 2008 and balance sheet data as of June 30, 2007 and 2008 from CSI's audited consolidated financial statements and related notes that are included elsewhere in this proxy statement/prospectus. CSI derived the selected consolidated statements of operations data for the years ended June 30, 2004 and 2005 and the balance sheet data as of June 30, 2004, 2005 and 2006 from CSI's audited consolidated financial statements that do not appear in this proxy statement/prospectus. CSI derived the consolidated statements of operations data for the three months ended September 30, 2007 and 2008 and the balance sheet data as of September 30, 2008 from CSI's unaudited consolidated financial statements and related notes that are included elsewhere in this proxy statement/prospectus. CSI has prepared this unaudited information on the same basis as the audited consolidated financial statements and has included all adjustments, consisting only of normal recurring adjustments, that CSI considers necessary for a fair presentation of CSI's financial position and operating results for such period. CSI has prepared the unaudited interim consolidated financial statements in accordance with accounting principles generally accepted in the United States of America, or GAAP, and the rules and regulations of the SEC for interim financial statements. CSI's historical results are not necessarily indicative of the results that may be expected in the future and the results for the three months ended September 30, 2008 are not necessarily indicative of the results for the full year. You should read this data together with CSI's consolidated financial statements and related notes included elsewhere in this proxy statement/prospectus and the information under Management's Discussion and Analysis of Financial Condition and Results of Operations for CSI.

	2004	2005	Years Ended June 30,			Three Months Ended			
			2006	2007(1)	2008(1)	2007(1)	2008(1)		
			(In thousands, except share and per share amounts)						
<b>Consolidated Statements of Operations Data:</b>									
Revenues	\$	\$	\$	\$	\$	22,177	\$	\$	11,646
Cost of goods sold						8,927		(539)	3,881
Gross profit						13,250		(539)	7,765
Expenses(1):									
Selling, general and administrative		984	1,177	1,735	6,691	35,326		3,552	16,424
Research and development		3,246	2,371	3,168	8,446	16,068		3,328	4,955
Total expenses		4,230	3,548	4,903	15,137	51,394		6,880	21,379
		(4,230)	(3,548)	(4,903)	(15,137)	(38,144)		(7,419)	(13,614)

Loss from operations								
Other income (expense):								
Interest expense			(48)	(1,340)	(923)	(300)	(227)	
Interest income	18	37	56	881	1,167	278	142	
Impairment on investments					(1,267)			
Total other income (expense)	18	37	8	(459)	(1,023)	(22)	(85)	
Net loss	(4,212)	(3,511)	(4,895)	(15,596)	(39,167)	(7,441)	(13,699)	
Accretion of redeemable convertible preferred stock(2)				(16,835)	(19,422)	(4,853)		
Net loss available to common shareholders	\$ (4,212)	\$ (3,511)	\$ (4,895)	\$ (32,431)	\$ (58,589)	\$ (12,294)	\$ (13,699)	
Loss per common share:								
Basic and diluted(3)	\$ (0.78)	\$ (0.61)	\$ (0.79)	\$ (5.22)	\$ (8.57)	\$ (1.95)	\$ (1.78)	
Weighted average common shares used in computation:								
Basic and diluted(3)	5,375,795	5,779,942	6,183,715	6,214,820	6,835,126	6,291,512	7,692,248	

(1) Operating expenses in the years ended June 30, 2007 and 2008 and three months ended September 30, 2007 and 2008 include stock-based compensation expense as a result of the adoption of SFAS No. 123(R), *Share-Based Payment* on July 1, 2006, as follows (in thousands):

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	Years Ended		Three Months Ended	
	June 30,		September 30,	
	2007	2008	2007	2008
Cost of goods sold	\$	\$ 232	\$	\$ 176
Selling, general and administrative	327	6,852	277	1,384
Research and development	63	297	73	112

- (2) See Notes 1 and 10 of the notes to CSI's consolidated financial statements included elsewhere in this proxy statement/prospectus for a discussion of the accretion of redeemable convertible preferred stock.
- (3) See Note 12 of the notes to CSI's consolidated financial statements included elsewhere in this proxy statement/prospectus for a description of the method used to compute basic and diluted net loss per common share and basic and diluted weighted-average number of shares used in per common share calculations.

	2004	2005	As of June 30,		2008	As of
			2006	2007		September 30,
			(In thousands)			2008
<b>Consolidated Balance Sheet Data:</b>						
Cash and cash equivalents	\$ 3,144	\$ 1,780	\$ 1,554	\$ 7,908	\$ 7,595	\$ 14,727
Short-term investments				11,615		
Working capital(1)	2,868	1,349	(1,240)	18,171	(3,118)	(11,144)
Total current assets	3,166	2,116	2,424	20,828	18,204	24,914
Total assets	4,031	2,874	3,296	22,025	41,958	48,612
Redeemable convertible preferred stock warrants				3,094	3,986	4,047
Total liabilities	298	767	3,723	5,830	25,408	42,605
Redeemable convertible preferred stock				48,498	98,242	98,242
Total shareholders' (deficiency) equity	3,733	2,107	(427)	(32,303)	(81,692)	(92,235)

- (1) Working capital is calculated as total current assets less total current liabilities as of the balance sheet date indicated.

**Quarterly Results of Operations**

The following table presents CSI's unaudited quarterly results of operations for each of CSI's last nine quarters ended September 30, 2008. You should read the following table in conjunction with CSI's consolidated financial statements and related notes included elsewhere in this proxy statement/prospectus. CSI has prepared the unaudited information on the same basis as CSI's audited consolidated financial statements. These interim financial statements reflect all adjustments consisting of normal recurring accruals, which, in the opinion of CSI's management, are necessary to present fairly the results of CSI's operations for the interim periods. Results of operations for any quarter are not

necessarily indicative of results for any future quarters or for a full year.

	September 30, 2006	December 31, 2006	March 31, 2007	June 30, 2007	September 30, 2007	December 31, 2007	March 31, 2008	June 30, 2008	September 30, 2008
	(In thousands)								
<b>Consolidated Statements of Operations Data:</b>									
Revenues	\$	\$	\$	\$	\$	\$ 4,631	\$ 7,654	\$ 9,892	\$ 11,646
Gross profit (loss)					(539)	2,438	5,142	6,209	7,765
Loss from operations	(1,571)	(2,964)	(3,984)	(6,618)	(7,419)	(10,187)	(9,291)	(11,247)	(13,614)
Net loss	(1,328)	(3,139)	(4,187)	(6,942)	(7,441)	(9,768)	(10,611)	(11,347)	(13,699)
Net loss available to common shareholders(1)	(5,207)	(7,266)	(8,584)	(11,374)	(12,294)	(10,121)	(24,827)	(11,347)	(13,699)

(1) Net loss available to common shareholders includes accretion of redeemable convertible preferred stock.

**Table of Contents****Selected Unaudited Pro Forma Condensed Combined Financial Data of Replidyne and CSI**

*The following unaudited pro forma financial data should be read in conjunction with the historical financial statements and the accompanying notes of Replidyne and CSI, and Management's Discussion and Analysis of Financial Condition and Results of Operations for Replidyne and Management's Discussion and Analysis of Financial Condition and Results of Operations for CSI, which are included elsewhere in this proxy statement/prospectus, and the other information contained in this proxy statement/prospectus. See Where You Can Find More Information beginning on page 245 and the financial statements of Replidyne and CSI beginning on pages F-1 and F-43, respectively.*

The following selected unaudited pro forma condensed combined financial information presents the effect of the merger of Replidyne and CSI pursuant to the merger agreement. For accounting purposes, CSI is considered to be acquiring the net assets of Replidyne in the merger. The following unaudited pro forma condensed combined balance sheet data assume that the merger took place on September 30, 2008 and combines the CSI historical consolidated balance sheet at September 30, 2008 with the Replidyne historical balance sheet at September 30, 2008 and includes the effect of the issuance of warrants to purchase 3.5 million shares of CSI common stock to current CSI preferred stockholders in connection with the conversion of preferred stock into common stock immediately prior to the effective time of the proposed merger. Because as of December 31, 2008 Replidyne had reduced its employee headcount to three employees that are not engaged in development or commercialization efforts and will not transition to CSI, had returned its license to develop faropenem medoxomil to Asubio Pharma Co., Ltd. and had suspended development of REP3123 and its other anti-infective programs based on its bacterial DNA replication inhibition technology, and is engaged in a process to sell or otherwise dispose of its remaining research and development programs, including REP3123 and its bacterial DNA replication inhibition technology, Replidyne is not considered to be a business for accounting purposes. The unaudited pro forma condensed combined statements of operations data assume that the merger took place as of July 1, 2007, and combines the historical results of Replidyne and CSI for the three months ended September 30, 2008 and the year ended June 30, 2008. The historical results of CSI were derived from its unaudited consolidated statement of operations for the three months ended September 30, 2008 and its audited consolidated statement of operations for the year ended June 30, 2008 included herein. The historical results of Replidyne were derived from its unaudited statement of operations for the three months ended September 30, 2008 included herein, and a combination of its audited statement of operations for the year ended December 31, 2007 included herein, and its unaudited statement of operations for the six months ended June 30, 2007 and 2008 included in its Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2008. The unaudited pro forma condensed combined financial statements do not account for the effect of a reverse stock split of Replidyne common stock to be implemented immediately prior to the effective time of the merger.

The selected unaudited pro forma condensed combined financial data are presented for illustrative purposes only and are not necessarily indicative of the combined financial position or results of operations of future periods or the results that actually would have been realized had the entities been a single entity during these periods. Replidyne and CSI expect the fair value of the net assets of Replidyne to approximate the fair value of Replidyne common stock at the date of the merger. The unaudited pro forma condensed combined financial statements have been prepared using CSI's June 30 year end, as the combined company anticipates having a June 30 year end upon closing of the merger. The financial statements of the combined entity after the merger will reflect the historical results of CSI before the merger and will not include the historical financial results of Replidyne before the completion of the merger. The selected unaudited pro forma condensed combined financial data as of and for the three months ended September 30, 2008 and for the year ended June 30, 2008 are derived from the unaudited pro forma condensed combined financial information appearing elsewhere in this proxy statement/prospectus, and should be read in conjunction with that information. For purposes of the unaudited pro forma condensed combined financial statements, presented elsewhere herein, Replidyne

and CSI have made allocations of the estimated purchase price to the assets to be acquired and liabilities to be assumed based on preliminary estimates of their fair value. A final determination of these estimated fair values, which cannot be made prior to the completion of the merger, will be based on the actual net assets of Replidyne that exist as of the date of consummation of the merger. The actual amounts recorded as of the consummation of the merger may differ



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materially from the information presented in these unaudited pro forma condensed combined financial statements as a result of:

net cash used in Replidyne's operations between the pro forma balance sheet date of September 30, 2008 and the closing of the merger;

the timing of completion of the merger;

Replidyne's net assets as calculated pursuant to the merger agreement, which will partially determine the actual number of shares of Replidyne's common stock to be issued pursuant to the merger; and

other changes in Replidyne's net assets that may occur prior to completion of the merger, which could cause material differences in the information presented below.

The estimated total purchase price of Replidyne in these unaudited pro forma condensed combined financial statements was based on the net assets as of September 30, 2008, the date on which the proposed merger is deemed to have occurred for purposes of these pro forma financial statements. The Replidyne net assets as of September 30, 2008 have been adjusted to include estimates for costs to be incurred as a result of ceasing its operations.

The final asset allocation may change significantly from preliminary estimates. The actual asset allocation upon consummation of the merger will be based on the fair value of the consideration paid and fair values of Replidyne's assets and liabilities as determined at the time of consummation. Replidyne continues to use its cash and other liquid assets to finance the closing of its operations. Replidyne and CSI will re-evaluate the determination of the purchase price at the time of consummation of the merger. Please see Note 2 to the unaudited pro forma combined condensed financial statements included elsewhere in this proxy statement/prospectus for further discussion.

	<b>Year Ended June 30, 2008</b>	<b>Three Months Ended September 30, 2008</b>
	<b>(In thousands, except per share amounts)</b>	
<b>Unaudited Pro Forma Condensed Combined Statement of Operations Data</b>		
Total Revenue	\$ 22,177	\$ 11,646
Selling, general and administrative expenses	47,810	21,317
Research and development expenses	62,610	9,675
Loss from operations	(97,170)	(23,227)
Net loss	(93,824)	(22,775)
Basic and diluted net loss per share	(0.70)	(0.16)
	<b>September 30, 2008 (In thousands)</b>	

**Unaudited Pro Forma Condensed Combined Balance Sheet Data**

Cash and cash equivalents	\$ 46,786
Working capital	26,090
Total assets	100,521
Total liabilities	53,233
Total stockholders' equity	47,288

**Table of Contents****Comparative Historical and Unaudited Pro Forma Per Share Data**

The following information reflects the historical net loss and book value per share of CSI common stock and the historical net loss and book value per share of Replidyne common stock in comparison with the unaudited pro forma net loss and book value per share after giving effect to the proposed merger of CSI with Replidyne. The combined company pro forma per common share data are provided for informational purposes only and are not necessarily indications of the results that would have been achieved had the transaction been completed as of the dates indicated or that may be achieved in the future. CSI and Replidyne have derived the combined company pro forma per common share data from the unaudited pro forma condensed combined financial statements presented elsewhere in this proxy statement/prospectus.

You should read the tables below in conjunction with the audited and unaudited financial statements of CSI and the notes related thereto, the audited and unaudited financial statements of Replidyne and the notes related thereto and the unaudited pro forma condensed combined financial information and notes related thereto, each included elsewhere in this proxy statement/prospectus.

	<b>Year Ended June 30, 2008</b>	<b>Three Months Ended September 30, 2008</b>
<b>CSI Historical Common Share Data:</b>		
Basic and diluted net loss per share	\$ (8.57)	\$ (1.78)
Book value per share as of the period end	(10.78)	(11.93)
<b>Replidyne Historical Common Share Data:</b>		
Basic and diluted net loss per share	\$ (2.10)	\$ (0.37)
Book value per share as of the period end	2.02	1.67
<b>Combined Company Pro Forma Per Common Share Data:</b>		
Basic and diluted net loss per share	\$ (0.70)	\$ (0.16)
Book value per share as of the period end	N/A	0.22

**Table of Contents****MARKET PRICE AND DIVIDEND INFORMATION****Replidyne**

Replidyne common stock is listed on the Nasdaq Global Market under the symbol RDYN. The following table sets forth, for the periods indicated, the high and low per share sales prices for Replidyne common stock as reported on the Nasdaq Global Market:

	<b>Common Stock</b>	
	<b>High</b>	<b>Low</b>
<b>Fiscal Year Ended December 31, 2008</b>		
First quarter	\$ 3.10	\$ 1.29
Second quarter	1.90	1.25
Third quarter	1.43	1.16
Fourth quarter	1.27	0.28
<b>Fiscal Year Ended December 31, 2007</b>		
First quarter	\$ 6.28	\$ 4.28
Second quarter	6.07	5.10
Third quarter	7.50	5.23
Fourth quarter	6.66	3.05

On November 3, 2008, the last day prior to the public announcement of the merger, the closing price per share of Replidyne common stock as reported on the Nasdaq Global Market was \$1.12, for an aggregate market value of Replidyne of approximately \$30.4 million.

On \_\_\_\_\_, 2009, the last practicable date before the printing of this proxy statement/prospectus, the closing price per share of Replidyne common stock as reported on the Nasdaq Global Market was \$ \_\_\_\_\_, for an aggregate market value of Replidyne of approximately \$ \_\_\_\_\_.

The number of record holders of Replidyne common stock on \_\_\_\_\_, 2009 was approximately \_\_\_\_\_.

Following the merger, the combined company is expected to be renamed Cardiovascular Systems, Inc. and to change its symbol for trading on the Nasdaq Global Market. CSI has reserved the symbol CSII for this purpose.

**CSI**

CSI is a privately-held company and its shares are not publicly traded. The number of record holders of CSI common stock on \_\_\_\_\_, 2009 was approximately \_\_\_\_\_, and the number of record holders of CSI preferred stock on \_\_\_\_\_, 2009 was approximately \_\_\_\_\_.

**Dividend Policy**

Neither Replidyne nor CSI has ever declared or paid any cash dividends on its capital stock nor does either intend to do so in the foreseeable future.



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**RISK FACTORS**

*The combined company will be faced with a market environment that cannot be predicted and that involves significant risks, many of which will be beyond its control. In addition to the other information contained in this proxy statement/prospectus, you should carefully consider the material risks described below before deciding how to vote your shares of Replidyne common stock or CSI capital stock.*

**Risks Relating to the Proposed Merger**

***If any of the events described in Risks Relating to CSI and the Combined Company occur, those events could cause the potential benefits of the merger not to be realized.***

Following the effective time of the merger, current CSI officers and directors will direct the business and operations of the combined company. Additionally, CSI's business is expected to constitute all of the business of the combined company following the merger. As a result, the risks described below in the section entitled Risks Relating to CSI and the Combined Company beginning on page 24 are among the most significant risks to the combined company if the merger is completed. To the extent any of the events in the risks described below in the section entitled Risks Relating to CSI and the Combined Company occur, those events could cause the market price of the combined company's common stock to decline.

***In the event that Replidyne's level of net assets at the effective time of the merger, as calculated pursuant to the merger agreement, is lower than \$35.0 million, Replidyne stockholders will hold a smaller percentage ownership of Replidyne following the consummation of the merger than is currently anticipated and the combined company will have less working capital for future operations.***

Subject to the terms of the merger agreement with CSI, at the effective time of the merger, each share of CSI common stock issued and outstanding immediately prior to the merger will be canceled, extinguished and automatically converted into the right to receive that number of shares of Replidyne common stock as determined pursuant to the conversion factor described in the merger agreement. The conversion factor depends on Replidyne's level of net assets as of the effective time of the merger. Under the merger agreement, Replidyne's net assets is defined as Replidyne's total current assets minus all of its liabilities and other outstanding and future obligations as of the effective time of the merger, subject to certain adjustments. Replidyne currently anticipates that its level of net assets as of the effective time of the merger will be between \$35.0 and \$37.0 million, which would result in Replidyne's current stockholders, together with holders of its options and warrants, owning or having the right to acquire between 16.3% and 17.0% of the common stock of the combined company on a fully diluted basis as calculated in accordance with the merger agreement. However, if one or more of the following circumstances arise, Replidyne's level of net assets may be lower than Replidyne expects and Replidyne stockholders would hold a smaller percentage ownership of the combined company following the consummation of the merger than is currently anticipated, thus making the merger less attractive to Replidyne stockholders:

Replidyne is unable to generate any proceeds from the sale of its REP3123 and DNA replication inhibition programs;

Replidyne is unable to terminate, sublease or otherwise assign to a third party its remaining obligations under the lease for its headquarters in Louisville, Colorado;

Replidyne does not receive reimbursement from Forest Laboratories for certain decontamination costs incurred by Replidyne under its former supply agreement with MEDA Manufacturing GmbH;

the costs associated with the winding up of Replidyne's business are greater than anticipated; or

Replidyne expends more resources than is currently anticipated as a result of a delay in the closing of the merger or otherwise.

In addition, if Replidyne's net assets are lower than expected, the combined company will have less working capital for future operations, which could adversely affect the ability of the combined company to achieve its business plan.

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***The costs associated with the merger are difficult to estimate, may be higher than expected and may harm the financial results of the combined company.***

Replidyne and CSI estimate that they will incur aggregate direct transaction costs of approximately \$6.2 million associated with the merger, and additional costs associated with the commencement of CSI's operation as a public company, which cannot be estimated accurately at this time. The costs associated with the merger may increase if any CSI stockholders elect to dissent from the merger and seek payment of the fair value of their shares as permitted by Minnesota law. If the total costs of the merger exceed Replidyne's and CSI's estimates, the combined company will have less working capital for future operations, which will adversely affect the ability of the combined company to achieve its business plan.

***Nasdaq considers the anticipated merger a reverse merger and therefore requires CSI and Replidyne to submit a new listing application with respect to the combined company, which will require certain actions by CSI and Replidyne and may not be successful, which would result in you having difficulty selling your shares.***

Nasdaq considers the merger proposed in this proxy statement/prospectus as a reverse merger and requires CSI and Replidyne to submit a new listing application with respect to the combined company. Nasdaq may not approve this new listing application. If this occurs and the merger is still consummated, you may have difficulty selling your shares.

Additionally, as part of the new listing application, CSI and Replidyne will be required to submit, among other things, a plan for the combined company to conduct a reverse stock split. A reverse stock split would increase the per share trading price by a yet undetermined multiple. The change in share price may affect the volatility and liquidity of the combined company's stock, as well as the marketplace's perception of the stock. As a result, the relative price of the combined company's stock may decline and/or fluctuate more than in the past, and you may have trouble converting your investments in the combined company into cash effectively.

***The market price of Replidyne common stock has fallen significantly since the public announcement of the proposed merger. If the merger is completed, the market price of the combined company's common stock may decline further.***

On November 3, 2008, the last day prior to the public announcement of the proposed merger, the closing price per share of Replidyne common stock as reported on The Nasdaq Global Market was \$1.12. On \_\_\_\_\_, 2009, the last practicable date before the printing of this proxy statement/prospectus, the closing price per share of Replidyne common stock as reported on The Nasdaq Global Market was \$ \_\_\_\_\_, which represents a \_\_\_\_\_% decrease from the closing price on November 3, 2008. This decrease may increase the risk that Replidyne would become subject to securities class action litigation, which could result in substantial costs and a delay in the completion of the merger. If the merger is completed, the market price of the combined company's common stock may decline further for a number of reasons, including if:

the effect of the merger on the combined company's business and prospects is not consistent with the expectations of financial or industry analysts; or

investors react negatively to the effect on the combined company's business and prospects from the merger.

***Because the lack of a public market for CSI's outstanding shares makes it difficult to evaluate the fairness of the merger, CSI stockholders may receive consideration in the merger that is greater than or less than the fair market value of the CSI shares.***



The outstanding capital stock of CSI is privately held and is not traded in any public market. The lack of a public market makes it extremely difficult to determine the fair market value of CSI. Since the percentage of Replidyne's equity to be issued to CSI stockholders was determined based on negotiations between the parties, it is possible that the value of the Replidyne common stock to be issued in connection with the merger will be greater than the fair market value of CSI. Alternatively, it is possible that the value of the shares of Replidyne common stock to be issued in connection with the merger will be less than the fair market value of CSI.

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***Replidyne and CSI executive officers and directors may have interests in the merger that are different from, or in addition to, those of Replidyne and CSI stockholders generally.***

The executive officers and directors of Replidyne and CSI may have interests in the merger that are different from, or are in addition to, those of Replidyne and CSI stockholders generally. The directors of the combined company will consist of two directors from Replidyne's board and eight directors from CSI's board. Further, certain Replidyne executive officers will receive change in control payments in connection with the merger. See the sections entitled "Interests of Replidyne's Executive Officers and Directors in the Merger" starting on page 66 and "Interests of CSI's Executive Officers and Directors in the Merger" starting on page 70.

***Replidyne and CSI may not be able to complete the merger or may elect to pursue a different strategic transaction, which may not occur on commercially reasonable terms or at all.***

Neither Replidyne nor CSI can assure you that they will close the pending merger in a timely manner or at all. The merger agreement is subject to many closing conditions and termination rights, as set forth in more detail in "The Merger Agreement - Conditions to the Completion of the Merger" and "The Merger Agreement - Termination of the Merger Agreement" below. If Replidyne and CSI do not complete the pending merger, Replidyne's and CSI's board of directors may elect to attempt to complete a different strategic transaction. Attempting to complete a different strategic transaction would prove to be costly and time consuming, and neither Replidyne nor CSI can make any assurances that a future strategic transaction will occur on commercially reasonable terms or at all.

***Failure to complete the merger could adversely affect Replidyne's stock price and Replidyne's and CSI's future business and operations.***

The merger is subject to the satisfaction of closing conditions, including approval by Replidyne and CSI stockholders, and neither Replidyne nor CSI can assure you that the merger will be completed. In the event that the merger is not completed, Replidyne and CSI may be subject to many significant costs, including legal, accounting and advisory fees related to the merger, which must be paid even if the merger is not completed, and the payment of a termination fee and certain expenses under certain circumstances. If the merger is not completed, the market price of Replidyne common stock could decline as a result. If the merger is not completed, CSI will need additional debt or equity financing to carry out its business plan and there is no assurance that such debt or equity financing will be available on acceptable terms or at all.

***During the pendency of the merger, Replidyne and CSI may not be able to enter into a business combination with another party because of restrictions in the merger agreement.***

The merger agreement restricts the ability of Replidyne and CSI to make acquisitions or complete other transactions. While the merger agreement is in effect, subject to limited exceptions, each party is prohibited from soliciting, initiating, encouraging or taking actions designed to facilitate any inquiries or the making of any proposal or offer that could lead to such party entering into certain extraordinary transactions with any third party, such as a sale of assets, an acquisition of common stock, a tender offer for capital stock or a merger or other business combination outside the ordinary course of business. Any such transactions could be favorable to Replidyne or CSI stockholders.

***The merger may be completed even though material adverse changes may result from the announcement of the merger, industry-wide changes and other causes.***

In general, either party can refuse to complete the merger if there is a material adverse change affecting the other party between November 3, 2008, the date of the merger agreement, and the closing of the merger. However, some types of changes do not permit either party to refuse to complete the merger, even if such changes would have a material

adverse effect on Replidyne or CSI. If adverse changes occur but Replidyne and CSI must still complete the merger, the combined company's stock price may suffer.

**Table of Contents****Risks Relating to Replidyne**

***If the proposed merger with CSI is not consummated, Replidyne's prospects will be materially and adversely affected and its stock price could decline.***

Replidyne and CSI are targeting a closing of the merger in the first calendar quarter of 2009. If the merger agreement is terminated and Replidyne seeks another business combination, Replidyne may not be able to find a third party willing to provide equivalent or more attractive consideration than the consideration to be provided in the proposed merger with CSI. In such circumstances, Replidyne's board of directors may elect to, among other things, take the steps necessary to liquidate Replidyne's business and assets. In the case of a liquidation, the consideration that Replidyne might receive may be less attractive than the consideration to be received by it pursuant to the merger with CSI.

***Replidyne no longer has any internal capabilities to develop its product candidates. Replidyne's ability to increase stockholder value is dependent on Replidyne's ability to successfully complete a strategic transaction or transactions for the sale of the company and the sale of Replidyne's product development programs, which Replidyne may be unable to complete.***

In August 2008, Replidyne commenced restructuring its operations to reduce its employee headcount to six employees by the end of October 2008. Replidyne suspended further development activities of REP3123, Replidyne's investigational agent for the treatment of *Clostridium difficile*, or *C. difficile*, bacteria and *C. difficile* Infection, or CDI, and novel anti-infective compounds based on Replidyne's DNA replication inhibition technology. Previously, Replidyne had restructured its operations in a number of actions announced in December 2007, April 2008 and June 2008 that included Replidyne's decision to terminate its license with Asubio Pharma, Co., Ltd, or Asubio Pharma, for faropenem medoxomil and related contract manufacturing agreements for faropenem medoxomil, discontinue enrollment in Replidyne's Phase III clinical trial of faropenem medoxomil for the treatment of acute exacerbations of chronic bronchitis and reduce employee headcount. Replidyne had previously devoted substantially all of its clinical development and research and development efforts and a material portion of its financial resources toward the development of faropenem medoxomil, REP3123, its DNA replication inhibition technologies and its other product candidates. Replidyne currently has no product candidates in clinical or pre-clinical development and has further reduced its employee headcount to three employees, all of whom are involved primarily in financial and administrative roles. Replidyne has entered into an agreement with Morgan Stanley to provide financial advisory services for Replidyne's strategic alternatives process. Replidyne's management has also devoted a substantial amount of time and effort to the strategic alternatives process. As a result of this process, Replidyne has entered into the merger agreement with CSI and continues to pursue the sale of its suspended REP3123 program and DNA replication inhibition technologies.

Consummation of the merger with CSI is subject to numerous conditions to closing, including approval from Replidyne stockholders and the stockholders of CSI, which approval cannot be assured. Further, Replidyne cannot predict whether its REP3123 program and/or DNA replication inhibition technologies can be sold on favorable terms or at all. Completing the merger with CSI and pursuing the sale of its REP3123 program and DNA replication inhibition technologies may require Replidyne to incur substantial additional costs. If Replidyne is unable to complete the merger, its business may be liquidated.

***Replidyne may not be able to generate adequate proceeds or any proceeds from the sale of its REP3123 program and DNA replication inhibition technology.***

Replidyne is pursuing the sale of its REP3123 program and DNA replication inhibition technology. Replidyne has solicited bids through provision of bid instruction letters to numerous parties. Replidyne's Chief Scientific Officer is acting as the representative for a company in formation that has indicated an interest in acquiring and pursuing these programs. If Replidyne does not receive an acceptable bid for its REP3123 program or DNA replication inhibition technology, Replidyne may not be able to generate adequate proceeds or any proceeds from the sale of these programs. The failure to generate these proceeds would negatively impact the percentage of the combined company that Replidyne stockholders will hold following the merger with CSI. In particular, if Replidyne's level of net assets at the effective time of the merger is lower than \$35.0 million, Replidyne's current

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stockholders, together with holders of its options and warrants, will own or have the right to acquire less than 16.3% of the common stock of the combined company.

***Replidyne has received a warning letter from the FDA for Replidyne's NDA filed in December 2005 for faropenem medoxomil, Replidyne's former product candidate. Failure to resolve the matters addressed in the warning letter could negatively impact Replidyne's or a successor company's ability to undertake clinical trials in the future or timely complete future IND and NDA submissions.***

On January 22, 2008, Replidyne received a warning letter from the Division of Scientific Investigation of the FDA, or DSI, informing Replidyne of objectionable conditions found during the DSI's investigation of Replidyne's role as applicant for Replidyne's new drug application, or NDA, for faropenem medoxomil. The FDA's observations were based on its establishment inspection reports following on site inspections in conjunction with the FDA's review of Replidyne's NDA. Specifically, DSI cited that Replidyne failed to make available the underlying raw data from the investigation for the FDA's audit and failed to provide the FDA adequate descriptions and analyses of any other data or information relevant to the evaluation of the safety and effectiveness of faropenem medoxomil obtained or otherwise received by Replidyne from any source derived from clinical investigations. The clinical trials that supported Replidyne's NDA were conducted by Bayer as a previous licensee of faropenem medoxomil. In June 2008, DSI made further inquiries of Replidyne related to Replidyne's previous responses to their observations in the warning letter. In July 2008, Replidyne communicated to the FDA Replidyne's decision to terminate Replidyne's license for faropenem medoxomil with Asubio Pharma and withdrew the NDA from consideration by the FDA. Replidyne also informed DSI of these actions. In a communication dated July 22, 2008 the FDA advised Replidyne that since Replidyne has active Investigational New Drug applications, or INDs, and ongoing clinical trials, the issues raised in the warning letter remained open. Following receipt of this communication, Replidyne withdrew all of its open INDs that related to faropenem medoxomil and REP8839. If Replidyne is unable to sufficiently establish to the FDA that future clinical trials conducted by Replidyne, or potentially a successor company, would be in accordance with FDA regulations, Replidyne may be subject to enforcement action by the FDA including being subject to the FDA's Application Integrity Policy. This policy would require third-party validation of the integrity of the raw data underlying any of Replidyne's future filings to the FDA before those filings would be accepted for consideration. Such a requirement would be onerous and require significant additional time and expense for the clinical development and potential approval of any product candidates that Replidyne may wish to develop in the future. These requirements would make it difficult for Replidyne to attempt to restart the development of any of its former product candidates or commence the development of any new product candidates in the event that the merger with CSI is not completed. Further, Replidyne could be subject to additional actions from the FDA that may negatively impact Replidyne's ability or the ability of a successor company to enter into clinical trials or submit an IND or NDA in the future.

***Replidyne has incurred significant operating losses since inception and anticipates that it will incur continued losses for the foreseeable future.***

Replidyne has experienced significant operating losses since its inception in December 2000. At September 30, 2008, Replidyne had an accumulated deficit of approximately \$146.9 million. Replidyne has generated no revenue from product sales to date. Replidyne has funded its operations to date principally from the sale of its securities and payments by Forest Laboratories under Replidyne's former collaboration agreement. As a result of the suspension of Replidyne's clinical development of each of faropenem medoxomil, REP3123, its anti-bacterial agent addressing *C. difficile* bacteria and *C. difficile*-associated disease, and its DNA replication inhibition technology, Replidyne has no current prospect for near term revenues. Replidyne expects to continue to incur substantial additional operating losses during the period in which it seeks to consummate the proposed merger and pursue the sale of certain company assets including REP3123 and its DNA replication inhibition technology. Because of the numerous risks and uncertainties associated with closing the proposed merger with CSI and transactions related to the sale of Replidyne's drug programs, Replidyne is unable to predict the extent of any future losses or the timeline for completing potential

transactions.

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***Replidyne may be unable to retain the senior management required to complete the merger or pursue alternative transactions.***

Replidyne's success in selling its remaining pipeline programs and completing the merger depends in part on its continued ability to retain and motivate qualified management and scientific personnel and on its ability to develop and analyze strategic alternatives. Replidyne is highly dependent upon its senior management, particularly Kenneth Collins, its President and Chief Executive Officer, Mark Smith, its Chief Financial Officer, and Donald Morrissey, its Senior Vice President of Corporate Development. The loss of services of any of Mr. Collins, Mr. Smith or Mr. Morrissey could delay or prevent the successful completion of the merger or its ability to complete an alternative transaction or the sale of REP3123 or its DNA replication inhibition technologies.

***The market price of Replidyne common stock is highly volatile.***

Replidyne cannot assure you that an active trading market for its common stock will exist at any time. You may not be able to sell your shares quickly or at the market price if trading in Replidyne common stock is not active. The trading price of Replidyne common stock has been highly volatile and could be subject to wide fluctuations in price in response to various factors, many of which are beyond Replidyne's control, including:

market reaction and other developments related to the proposed merger with CSI;

any developments related to the business of CSI, including during the pendency of the merger;

the announcement of or other developments related to a sale of part or all of the development stage assets of Replidyne;

failure to achieve stockholder approval of the merger with CSI;

a decision to liquidate the assets of Replidyne;

termination of significant agreements;

changes in laws or regulations applicable to Replidyne's assets;

actual or anticipated variations in Replidyne's results of operations;

actual or anticipated changes in earnings estimates or recommendations by securities analysts;

actions taken by regulatory agencies with respect to Replidyne;

conditions or trends in the biotechnology and biopharmaceutical industries;

announcements by Replidyne or its competitors of significant acquisitions, strategic partnerships, joint ventures or capital commitments;

general economic and market conditions and other factors that may be unrelated to Replidyne's operating performance or to the operating performance of its competitors;

changes in the market valuations of similar companies;



sales of common stock or other securities by Replidyne or its stockholders in the future;

additions or departures of key scientific or management personnel;

the outcome of litigation or arbitration claims;

developments relating to proprietary rights held by Replidyne or its competitors;

disputes or other developments relating to proprietary rights, including patents, litigation matters and Replidyne's ability to obtain patent protection for its technologies;

trading volume of Replidyne common stock;

sales of Replidyne common stock by Replidyne or its stockholders; and

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any proceedings instituted by Nasdaq related to the delisting of Replidyne common stock from the Nasdaq Global Market.

In addition, the stock market in general and the market for biotechnology and biopharmaceutical companies in particular have experienced extreme price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of those companies. These broad market and industry factors may seriously harm the market price of Replidyne common stock, regardless of its operating performance. In the past, following periods of volatility in the market, securities class-action litigation has often been instituted against companies. Such litigation, if instituted against Replidyne, could result in substantial costs and diversion of management's attention and resources, which could materially adversely affect Replidyne's prospects and financial condition.

***Replidyne's principal stockholders and management own a significant percentage of Replidyne's stock and are able to exercise significant influence over matters subject to stockholder approval.***

Replidyne's executive officers, directors and principal stockholders, together with their respective affiliates, currently own a significant percentage of Replidyne's voting stock, including shares subject to outstanding options and warrants, and Replidyne expects this group will continue to hold a significant percentage of its outstanding voting stock until consummation of the merger, when their ownership interests will be decreased due to the issuance of Replidyne common stock to CSI stockholders. Accordingly, these stockholders will likely be able to have a significant impact on the composition of Replidyne's board of directors and continue to have significant influence over Replidyne's operations and decisions until consummation of the merger. Replidyne stockholders with approximately 48% of Replidyne's outstanding common stock have entered into voting agreements and irrevocable proxies in favor of CSI for approximately 32% of Replidyne's outstanding common stock, pursuant to which, among other things, each of these stockholders agreed, solely in his capacity as a stockholder, to vote these shares in favor of the issuance of the shares of Replidyne common stock in the merger and the other actions contemplated by the merger agreement. This concentration of ownership and the voting agreements could have the effect of delaying or preventing a change in control, other than the merger with CSI, or otherwise discouraging a potential acquirer from attempting to obtain control of Replidyne, which in turn could have a material and adverse effect on the market value of Replidyne common stock.

## **Risks Relating to CSI and the Combined Company**

In determining whether you should approve the issuance of shares of Replidyne common stock pursuant to the merger, you should carefully read the following risk factors. Replidyne and CSI anticipate that, immediately following the merger, the business of the combined company will be the business conducted by CSI immediately prior to the merger. As a result, the risk factors section of this proxy statement/prospectus entitled "Risk Factors Relating to the Proposed Merger" together with the following risk factors, are the most significant you will face if the merger is completed.

## **Risks Relating to CSI's Business and Operations**

***Negative conditions in the global credit markets have impaired the liquidity of CSI's auction rate securities, and these securities have experienced an other-than-temporary decline in value, which has adversely affected CSI's income. These circumstances, along with CSI's history of incurring substantial operating losses and negative cash flows from operations, raise substantial doubt about CSI's ability to continue as a going concern.***

As of September 30, 2008, CSI's investments included \$23.0 million of AAA rated auction rate securities issued primarily by state agencies and backed by student loans substantially guaranteed by the Federal Family Education

Loan Program. These auction rate securities are debt instruments with a long-term maturity and with an interest rate that is reset in short intervals, primarily every 28 days, through auctions. The recent conditions in the global credit markets have prevented CSI from liquidating its holdings of auction rate securities because the amount of securities submitted for sale has exceeded the amount of purchase orders for such securities. In February 2008, CSI was informed that there was insufficient demand for auction rate securities, resulting in failed auctions for \$23.0 million in auction rate securities held at June 30, 2008 and September 30, 2008. Currently, these affected

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securities are not liquid and will not become liquid until a future auction for these investments is successful or they are redeemed by the issuer or they mature. In the event that CSI needs to access the funds of its auction rate securities that have experienced insufficient demand at auctions, CSI will not be able to do so without the possible loss of principal, until a future auction for these investments is successful or they are redeemed by the issuer or they mature. If CSI is unable to sell these securities in the market or they are not redeemed, then CSI may be required to hold them to maturity and CSI may have insufficient funds to operate its business. For the year ended June 30, 2008, CSI recorded an other-than-temporary impairment loss of \$1.3 million relating to these securities in its statement of operations, and for the three months ended September 30, 2008, CSI recorded an unrealized loss of \$0.3 million relating to these securities in other comprehensive income (loss). CSI will continue to monitor and evaluate the value of its investments each reporting period for further possible impairment or unrealized loss. Although CSI currently does not intend to do so, CSI may consider selling its auction rate securities in the secondary markets in the future, which may require a sale at a substantial discount to the stated principal value of these securities.

In addition, because CSI has incurred substantial operating losses and negative cash flows from operations, all of which will require it to obtain additional funding to continue its operations, management has concluded that there is substantial doubt about CSI's ability to continue as a going concern. Based on the factors described above, CSI's independent registered public accountants have included an explanatory paragraph in their report for CSI's fiscal year ended June 30, 2008 with respect to CSI's ability to continue as a going concern. On March 28, 2008, CSI obtained a margin loan from UBS Financial Services, Inc., the entity through which CSI originally purchased its auction rate securities, for up to \$12.0 million, which was secured by the \$23.0 million par value of CSI's auction rate securities. On August 21, 2008, CSI replaced this loan with a margin loan from UBS Bank USA, which increased maximum borrowings available to \$23.0 million, and on September 12, 2008, CSI obtained additional debt financing from Silicon Valley Bank with maximum available borrowings of \$13.5 million. Based on anticipated operating requirements, combined with limited capital resources, financing CSI's operations will require that CSI raise additional equity or debt capital prior to or during the quarter ending September 30, 2009. CSI has entered into the merger agreement to obtain the working capital necessary to execute its business plan. If the merger is not completed or CSI fails to raise sufficient equity or debt capital through other means, management would implement cost reduction measures, including workforce reductions, as well as reductions in overhead costs and capital expenditures. There can be no assurance that these sources will provide sufficient cash flows to enable CSI to continue as a going concern. CSI currently has no commitments for additional debt or equity financing and may experience difficulty in obtaining additional financing on favorable terms, if at all, if the merger is not consummated.

The existence of the explanatory paragraph may adversely affect CSI's relationships with current and prospective customers, suppliers and investors, and therefore could have a material adverse effect on CSI's business, financial condition, results of operations and cash flows.

***CSI has a history of net losses and anticipates that it will continue to incur losses.***

CSI is not profitable and has incurred net losses in each fiscal year since its formation in 1989. In particular, CSI had net losses of \$3.5 million in fiscal 2005, \$4.9 million in fiscal 2006, \$15.6 million in fiscal 2007, \$39.2 million in fiscal 2008, and \$13.7 million for the three months ended September 30, 2008. As of September 30, 2008, CSI had an accumulated deficit of approximately \$132.0 million. CSI commenced commercial sales of the Diamondback 360° Orbital Atherectomy System in September 2007, and CSI's short commercialization experience makes it difficult for it to predict future performance. CSI also expects to incur significant additional expenses for sales and marketing and manufacturing as CSI continues to commercialize the Diamondback 360° and additional expenses as CSI seeks to develop and commercialize future versions of the Diamondback 360° and other products. Additionally, CSI expects that its general and administrative expenses will increase as its business grows and CSI incurs the legal and regulatory costs associated with being a public company. As a result, CSI expects to continue to incur significant operating losses.



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***CSI has a very limited history selling the Diamondback 360°, which is currently CSI's only product, and CSI's inability to market this product successfully would have a material adverse effect on CSI's business and financial condition.***

The Diamondback 360° is CSI's only product and CSI is wholly dependent on it. The Diamondback 360° received 510(k) clearance from the FDA in the United States for use as a therapy in patients with PAD in August 2007. CSI initiated a limited commercial introduction of the Diamondback 360° in the United States in September 2007 and CSI therefore has very limited experience in the commercial manufacture and marketing of this product. CSI's ability to generate revenue will depend upon its ability to successfully commercialize the Diamondback 360° and to develop, manufacture and receive required regulatory clearances and approvals and patient reimbursement for treatment with future versions of the Diamondback 360°. As CSI seeks to commercialize the Diamondback 360°, CSI will need to expand its sales force significantly to reach its target market. Developing a sales force is expensive and time consuming and could delay or limit the success of any product launch. Thus, CSI may not be able to expand its sales and marketing capabilities on a timely basis or at all. If CSI is unable to adequately increase these capabilities, CSI will need to contract with third parties to market and sell the Diamondback 360° and any other products that CSI may develop. To the extent that CSI enters into arrangements with third parties to perform sales, marketing and distribution services on CSI's behalf, CSI's product revenues could be lower than if CSI marketed and sold its products on a direct basis. Furthermore, any revenues resulting from co-promotion or other marketing and sales arrangements with other companies will depend on the skills and efforts of others, and CSI does not know whether these efforts will be successful. Some of these companies may have current products or products under development that compete with CSI's, and they may have an incentive not to devote sufficient efforts to marketing CSI's products. If CSI fails to successfully develop, commercialize and market the Diamondback 360° or any future versions of this product that CSI develops, its business will be materially adversely affected.

***The Diamondback 360° and future products may never achieve market acceptance.***

The Diamondback 360° and future products CSI may develop may never gain market acceptance among physicians, patients and the medical community. The degree of market acceptance of any of CSI's products will depend on a number of factors, including:

- the actual and perceived effectiveness and reliability of CSI's products;
- the prevalence and severity of any adverse patient events involving CSI's products, including infection, perforation or dissection of the artery wall, internal bleeding, limb loss and death;
- the results of any long-term clinical trials relating to use of CSI's products;
- the availability, relative cost and perceived advantages and disadvantages of alternative technologies or treatment methods for conditions treated by CSI's systems;
- the degree to which treatments using CSI's products are approved for reimbursement by public and private insurers;
- the strength of CSI's marketing and distribution infrastructure; and
- the level of education and awareness among physicians and hospitals concerning CSI's products.

Failure of the Diamondback 360° to significantly penetrate current or new markets would negatively impact CSI's business, financial condition and results of operations.

If longer-term or more extensive clinical trials performed by CSI or others indicate that procedures using the Diamondback 360° or any future products are not safe, effective and long lasting, physicians may choose not to use CSI's products. Furthermore, unsatisfactory patient outcomes or injuries could cause negative publicity for CSI's products. Physicians may be slow to adopt CSI's products if they perceive liability risks arising from the use of these products. It is also possible that as CSI's products become more widely used, latent defects could be identified, creating negative publicity and liability problems for CSI, thereby adversely affecting demand for its products. If the Diamondback 360° and CSI's future products do not achieve an adequate level of acceptance by physicians, patients and the medical community, CSI's overall business and profitability would be harmed.

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***CSI's future growth depends on physician adoption of the Diamondback 360°, which requires physicians to change their screening and referral practices.***

CSI believes that it must educate physicians to change their screening and referral practices. For example, although there is a significant correlation between PAD and coronary artery disease, many physicians do not routinely screen for PAD while screening for coronary artery disease. CSI targets its sales efforts to interventional cardiologists, vascular surgeons and interventional radiologists because they are often the primary care physicians diagnosing and treating both coronary artery disease and PAD. However, the initial point of contact for many patients may be general practitioners, podiatrists, nephrologists and endocrinologists, each of whom commonly treats patients experiencing complications resulting from PAD. If CSI does not educate referring physicians about PAD in general and the existence of the Diamondback 360° in particular, they may not refer patients to interventional cardiologists, vascular surgeons or interventional radiologists for the procedure using the Diamondback 360°, and those patients may instead be surgically treated or treated with an alternative interventional procedure. If CSI is not successful in educating physicians about screening for PAD or referral opportunities, CSI's ability to increase its revenue may be impaired.

***CSI's customers may not be able to achieve adequate reimbursement for using the Diamondback 360°, which could affect the acceptance of CSI's product and cause its business to suffer.***

The availability of insurance coverage and reimbursement for newly approved medical devices and procedures is uncertain. The commercial success of CSI's products is substantially dependent on whether third-party insurance coverage and reimbursement for the use of such products and related services are available. CSI expects the Diamondback 360° to generally be purchased by hospitals and other providers who will then seek reimbursement from various public and private third-party payors, such as Medicare, Medicaid and private insurers, for the services provided to patients. CSI can give no assurance that these third-party payors will provide adequate reimbursement for use of the Diamondback 360° to permit hospitals and doctors to consider the product cost-effective for patients requiring PAD treatment. In addition, the overall amount of reimbursement available for PAD treatment could decrease in the future. Failure by hospitals and other users of CSI's product to obtain sufficient reimbursement could cause CSI's business to suffer.

Medicare, Medicaid, health maintenance organizations and other third-party payors are increasingly attempting to contain healthcare costs by limiting both coverage and the level of reimbursement, and, as a result, they may not cover or provide adequate payment for use of the Diamondback 360°. In order to position the Diamondback 360° for acceptance by third-party payors, CSI may have to agree to lower prices than it might otherwise charge. The continuing efforts of governmental and commercial third-party payors to contain or reduce the costs of healthcare may limit CSI's revenue.

CSI expects that there will continue to be federal and state proposals for governmental controls over healthcare in the United States. Governmental and private sector payors have instituted initiatives to limit the growth of healthcare costs using, for example, price regulation or controls and competitive pricing programs. Some third-party payors also require demonstrated superiority, on the basis of randomized clinical trials, or pre-approval of coverage, for new or innovative devices or procedures before they will reimburse healthcare providers who use such devices or procedures. Also, the trend toward managed healthcare in the United States and proposed legislation intended to reduce the cost of government insurance programs could significantly influence the purchase of healthcare services and products and may result in necessary price reductions for CSI's products or the exclusion of its products from reimbursement programs. It is uncertain whether the Diamondback 360° or any future products CSI may develop will be viewed as sufficiently cost-effective to warrant adequate coverage and reimbursement levels.

If third-party coverage and reimbursement for the Diamondback 360° is limited or not available, the acceptance of the Diamondback 360° and, consequently, CSI's business will be substantially harmed.





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***CSI has limited data and experience regarding the safety and efficacy of the Diamondback 360°. Any long-term data that is generated may not be positive or consistent with CSI's limited short-term data, which would affect market acceptance of this product.***

CSI's success depends on the acceptance of the Diamondback 360° by the medical community as safe and effective. Because CSI's technology is relatively new in the treatment of PAD, CSI has performed clinical trials only with limited patient populations. The long-term effects of using the Diamondback 360° in a large number of patients are not known and the results of short-term clinical use of the Diamondback 360° do not necessarily predict long-term clinical benefit or reveal long-term adverse effects. For example, CSI does not have sufficient experience with the Diamondback 360° to evaluate its relative effectiveness in different plaque morphologies, including hard, calcified lesions and soft, non-calcified lesions. If the results obtained from any future clinical trials or clinical or commercial experience indicate that the Diamondback 360° is not as safe or effective as other treatment options or as current short-term data would suggest, adoption of this product may suffer and CSI's business would be harmed.

Even if CSI believes that the data collected from clinical trials or clinical experience indicate positive results, each physician's actual experience with CSI's device will vary. Clinical trials conducted with the Diamondback 360° have involved procedures performed by physicians who are very technically proficient. Consequently, both short and long-term results reported in these studies may be significantly more favorable than typical results achieved by physicians, which could negatively impact market acceptance of the Diamondback 360°.

***CSI will face significant competition and may be unable to sell the Diamondback 360° at profitable levels.***

CSI competes against very large and well-known stent and balloon angioplasty device manufacturers, including Abbott Laboratories, Boston Scientific, Cook, Johnson & Johnson and Medtronic. CSI may have difficulty competing effectively with these competitors because of their well-established positions in the marketplace, significant financial and human capital resources, established reputations and worldwide distribution channels. CSI also competes against manufacturers of atherectomy catheters including, among others, ev3, Spectranetics, Boston Scientific and Pathway Medical Technologies, as well as other manufacturers that may enter the market due to the increasing demand for treatment of vascular disease. Several other companies provide products used by surgeons in peripheral bypass procedures. Other competitors include pharmaceutical companies that manufacture drugs for the treatment of mild to moderate PAD and companies that provide products used by surgeons in peripheral bypass procedures.

CSI's competitors may:

develop and patent processes or products earlier than CSI will;

obtain regulatory clearances or approvals for competing medical device products more rapidly than CSI will;

market their products more effectively than CSI will; or

develop more effective or less expensive products or technologies that render CSI's technology or products obsolete or non-competitive.

CSI has encountered and expects to continue to encounter potential customers who, due to existing relationships with CSI's competitors, are committed to or prefer the products offered by these competitors. If CSI is unable to compete successfully, CSI's revenue will suffer. Increased competition might lead to price reductions and other concessions that might adversely affect CSI's operating results. Competitive pressures may decrease the demand for CSI's products and could adversely affect its financial results.

***CSI's ability to compete depends on its ability to innovate successfully. If CSI's competitors demonstrate the increased safety or efficacy of their products as compared to CSI, its revenue may decline.***

The market for medical devices is highly competitive, dynamic and marked by rapid and substantial technological development and product innovations. CSI's ability to compete depends on its ability to innovate successfully, and there are few barriers that would prevent new entrants or existing competitors from developing products that compete directly with CSI's products. Demand for the Diamondback 360° could be diminished by

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equivalent or superior products and technologies offered by competitors. CSI's competitors may produce more advanced products than CSI's or demonstrate superior safety and efficacy of their products. If CSI is unable to innovate successfully, the Diamondback 360° could become obsolete and CSI's revenue would decline as its customers purchase competitor products.

***CSI has limited commercial manufacturing experience and could experience difficulty in producing the Diamondback 360° or will need to depend on third parties to manufacture the product.***

CSI has limited experience in commercially manufacturing the Diamondback 360° and has no experience manufacturing this product in the volume that CSI anticipates will be required if it achieves planned levels of commercial sales. As a result, CSI may not be able to develop and implement efficient, low-cost manufacturing capabilities and processes that will enable it to manufacture the Diamondback 360° or future products in significant volumes, while meeting the legal, regulatory, quality, price, durability, engineering, design and production standards required to market CSI's products successfully. If CSI fails to develop and implement these manufacturing capabilities and processes, CSI may be unable to profitably commercialize the Diamondback 360° and any future products CSI may develop because the per unit cost of CSI's products is highly dependent upon production volumes and the level of automation in CSI's manufacturing processes. There are technical challenges to increasing manufacturing capacity, including equipment design and automation capabilities, material procurement, problems with production yields and quality control and assurance. Increasing CSI's manufacturing capacity will require it to invest substantial additional funds and to hire and retain additional management and technical personnel who have the necessary manufacturing experience. CSI may not successfully complete any required increase in manufacturing capacity in a timely manner or at all. If CSI is unable to manufacture a sufficient supply of its products, maintain control over expenses or otherwise adapt to anticipated growth, or if CSI underestimates growth, it may not have the capability to satisfy market demand and its business will suffer.

Since CSI has little actual commercial experience with the Diamondback 360°, the forecasts of demand CSI uses to determine order quantities and lead times for components purchased from outside suppliers may be incorrect. Lead times for components may vary significantly depending on the type of component, the size of the order, time required to fabricate and test the components, specific supplier requirements and current market demand for the components and subassemblies. Failure to obtain required components or subassemblies when needed and at a reasonable cost would adversely affect CSI's business.

In addition, CSI may in the future need to depend upon third parties to manufacture the Diamondback 360° and future products. CSI also cannot assure you that any third-party contract manufacturers will have the ability to produce the quantities of CSI's products needed for development or commercial sales or will be willing to do so at prices that allow the products to compete successfully in the market. In addition, CSI can give no assurance that even if it does contract with third-party manufacturers for production that these manufacturers will not experience manufacturing difficulties or experience quality or regulatory issues. Any difficulties in locating and hiring third-party manufacturers, or in the ability of third-party manufacturers to supply quantities of CSI's products at the times and in the quantities CSI needs, could have a material adverse effect on CSI's business.

***CSI depends upon third-party suppliers, including single source suppliers to CSI and its customers, making it vulnerable to supply problems and price fluctuations.***

CSI relies on third-party suppliers to provide it certain components of CSI's products and to provide key components or supplies to CSI's customers for use with CSI's products. CSI relies on single source suppliers for the following components of the Diamondback 360°: diamond grit coated crowns, ABS molded products, components within the brake assembly and the turbine assembly, and the air-and-saline cable assembly. CSI purchases components from these suppliers on a purchase order basis and carries only very limited levels of inventory for these components. If

CSI underestimates its requirements, it may not have an adequate supply, which could interrupt manufacturing of CSI's products and result in delays in shipments and loss of revenue. CSI's customers depend on a single source supplier for the catheter lubricant used with the Diamondback 360° system. If CSI's customers are unable to obtain adequate supplies of this lubricant, its customers may reduce or cease purchases of CSI's product. CSI depends on these suppliers to provide it and its customers with materials in a timely manner that meet CSI's and their quality, quantity and cost requirements. These suppliers may encounter problems during

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manufacturing for a variety of reasons, including unanticipated demand from larger customers, failure to follow specific protocols and procedures, failure to comply with applicable regulations, equipment malfunction, quality or yield problems, and environmental factors, any of which could delay or impede their ability to meet CSI's demand and its customers' demand. CSI's reliance on these outside suppliers also subjects CSI to other risks that could harm its business, including:

interruption of supply resulting from modifications to, or discontinuation of, a supplier's operations;

delays in product shipments resulting from defects, reliability issues or changes in components from suppliers;

price fluctuations due to a lack of long-term supply arrangements for key components with CSI's suppliers;

CSI's suppliers may make errors in manufacturing components, which could negatively affect the efficacy or safety of CSI's products or cause delays in shipment of its products;

CSI's suppliers may discontinue production of components, which could significantly delay CSI's production and sales and impair operating margins;

CSI and its customers may not be able to obtain adequate supplies in a timely manner or on commercially acceptable terms;

CSI and its customers may have difficulty locating and qualifying alternative suppliers for CSI's and their sole-source supplies;

switching components may require product redesign and new regulatory submissions, either of which could significantly delay production and sales;

CSI may experience production delays related to the evaluation and testing of products from alternative suppliers and corresponding regulatory qualifications;

CSI's suppliers manufacture products for a range of customers, and fluctuations in demand for the products these suppliers manufacture for others may affect their ability to deliver components to CSI or its customers in a timely manner; and

CSI's suppliers may encounter financial hardships unrelated to CSI or its customers' demand for components or other products, which could inhibit their ability to fulfill orders and meet requirements.

Other than existing, unfulfilled purchase orders, CSI's suppliers have no contractual obligations to supply CSI with, and CSI is not contractually obligated to purchase from them, any of its supplies. Any supply interruption from CSI's suppliers or failure to obtain additional suppliers for any of the components used in CSI's products would limit CSI's ability to manufacture its products and could have a material adverse effect on CSI's business, financial condition and results of operations. CSI has no reason to believe that any of its current suppliers could not be replaced if they were unable to deliver components to CSI in a timely manner or at an acceptable price and level of quality. However, if CSI lost one of these suppliers and were unable to obtain an alternate source on a timely basis or on terms acceptable to CSI, CSI's production schedules could be delayed, its margins could be negatively impacted, and it could fail to meet its customers' demand. CSI's customers rely upon CSI's ability to meet committed delivery dates and any disruption in the supply of key components would adversely affect CSI's ability to meet these dates and could result in legal action by CSI's customers, cause it to lose customers or harm its ability to attract new customers, any of which could decrease CSI's revenue and negatively impact its growth. In addition, to the extent that CSI's suppliers use technology or

manufacturing processes that are proprietary, CSI may be unable to obtain comparable materials or components from alternative sources.

Manufacturing operations are often faced with a supplier's decision to discontinue manufacturing a component, which may force CSI or its customers to make last time purchases, qualify a substitute part, or make a design change which may divert engineering time away from the development of new products.

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***CSI will need to increase the size of its organization and CSI may experience difficulties managing growth. If CSI is unable to manage the anticipated growth of its business, its future revenue and operating results may be adversely affected.***

The growth CSI may experience in the future will provide challenges to CSI's organization, requiring it to rapidly expand its sales and marketing personnel and manufacturing operations. CSI's sales and marketing force has increased from six employees on January 1, 2007 to 129 employees on December 31, 2008, and CSI expects to continue to grow its sales and marketing force. CSI also expects to significantly expand its manufacturing operations to meet anticipated growth in demand for its products. Rapid expansion in personnel means that less experienced people may be producing and selling CSI's product, which could result in unanticipated costs and disruptions to CSI's operations. If CSI cannot scale and manage its business appropriately, its anticipated growth may be impaired and CSI's financial results will suffer.

***CSI anticipates future losses and may require additional financing, and CSI's failure to obtain additional financing when needed could force CSI to delay, reduce or eliminate its product development programs or commercialization efforts.***

CSI anticipates significant future losses and is therefore dependent on additional financing to execute its business plan. CSI expects that the merger will provide additional working capital for its business operations that, together with funds available under CSI's debt financing arrangements and from operations, will be sufficient to satisfy CSI's working capital needs for the foreseeable future. If, however, the merger is not completed or delays in CSI's business plan reduce the amount of cash available from operations, CSI will require additional financing in order to satisfy its capital requirements. In particular, CSI may require additional capital in order to continue to conduct the research and development and obtain regulatory clearances and approvals necessary to bring any future products to market and to establish effective marketing and sales capabilities for existing and future products. CSI's operating plan may change, and it may need additional funds sooner than anticipated to meet its operational needs and capital requirements for product development, clinical trials and commercialization. Additional funds may not be available when CSI needs them on terms that are acceptable to CSI, or at all. If adequate funds are not available on a timely basis, CSI may terminate or delay the development of one or more of its products, or delay establishment of sales and marketing capabilities or other activities necessary to commercialize its products.

CSI's future capital requirements will depend on many factors, including:

- whether the merger is completed and, if so, Replidyne's level of net assets at the effective time of the merger;
- the costs of expanding CSI's sales and marketing infrastructure and its manufacturing operations;
- the degree of success CSI experiences in commercializing the Diamondback 360°;
- the number and types of future products CSI develops and commercializes;
- the costs, timing and outcomes of regulatory reviews associated with CSI's future product candidates;
- the costs of preparing, filing and prosecuting patent applications and maintaining, enforcing and defending intellectual property-related claims; and
- the extent and scope of CSI's general and administrative expenses.

***Raising additional capital through debt financing may restrict CSI's operations.***



To the extent that CSI raises additional capital through debt financing, the terms may include provisions that adversely affect your rights as a stockholder. Debt financing, if available, may involve agreements that include covenants limiting or restricting CSI's ability to take specific actions such as incurring additional debt, making capital expenditures or declaring dividends. Any of these events could adversely affect CSI's ability to achieve its product development and commercialization goals and have a material adverse effect on CSI's business, financial condition and results of operations.

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***CSI does not currently intend to market the Diamondback 360° internationally, which will limit CSI's potential revenue from this product.***

As a part of CSI's product development and regulatory strategy, CSI does not currently intend to market the Diamondback 360° internationally in order to focus CSI's resources and efforts on the U.S. market, as international efforts would require substantial additional sales and marketing, regulatory and personnel expenses. CSI's decision to market this product only in the United States will limit its ability to reach all of its potential markets and will limit its potential sources of revenue. In addition, CSI's competitors will have an opportunity to further penetrate and achieve market share abroad until such time, if ever, that CSI markets the Diamondback 360° or other products internationally.

***CSI is dependent on its senior management team and scientific personnel, and CSI's business could be harmed if CSI is unable to attract and retain personnel necessary for its success.***

CSI is highly dependent on its senior management, especially David L. Martin, CSI's President and Chief Executive Officer. CSI's success will depend on its ability to retain senior management and to attract and retain qualified personnel in the future, including scientists, clinicians, engineers and other highly skilled personnel and to integrate current and additional personnel in all departments. Competition for senior management personnel, as well as scientists, clinical and regulatory specialists, engineers and sales personnel, is intense and CSI may not be able to retain its personnel. The loss of members of CSI's senior management, scientists, clinical and regulatory specialists, engineers and sales personnel could prevent it from achieving its objectives of continuing to grow the company. The loss of a member of CSI's senior management or professional staff would require the remaining senior executive officers to divert immediate and substantial attention to seeking a replacement. In particular, CSI expects to substantially increase the size of CSI's sales force, which will require management's attention. In that regard, ev3 Inc., ev3 Endovascular, Inc., and FoxHollow Technologies, Inc. have brought an action against CSI that, if successful, could limit CSI's ability to retain the services of certain sales personnel that were formerly employed by those companies and make it more difficult to recruit and hire such sales and other personnel in the future. CSI does not carry key person life insurance on any of its employees, other than Michael J. Kallok, CSI's Chief Scientific Officer and former Chief Executive Officer.

***CSI has a new management team and may experience instability in the short term as a result.***

Since July 2006, CSI has added six new executives to its management team, including its Chief Executive Officer, who joined in February 2007, and its Chief Financial Officer, who joined in April 2008. During the preparation for CSI's initial public offering, which was abandoned due to unfavorable market conditions in order to proceed with the merger, CSI's board of directors determined that it would be in CSI's best interests to replace James Flaherty in his role as Chief Financial Officer due to his consent to a court order enjoining him from any violation of certain provisions of federal securities law in connection with events that occurred while he was the Chief Financial Officer of Zomax Incorporated. The board of directors desired to retain Mr. Flaherty as a member of CSI's executive team, and, accordingly, Mr. Flaherty became CSI's Chief Administrative Officer, giving him responsibility over non-financial operations matters, and Mr. Martin became Interim Chief Financial Officer until the hiring of Laurence L. Betterley as CSI's Chief Financial Officer. CSI's new executives lack long-term experience with CSI. CSI may experience instability in the short term as its new executives become integrated into the company. Competition for qualified employees is intense and the loss of service of any of CSI's executive officers or certain key employees could delay or curtail CSI's research, development, commercialization and financial objectives.

***CSI may incur significant costs due to the application of Section 409A of the Internal Revenue Code.***

The estimated fair value of the common stock underlying CSI's stock options was originally estimated in good faith by CSI's board of directors based upon the best information available regarding CSI on the dates of grant, including

financing activity, development of CSI's business, the FDA process and launch of CSI's product, the initial public offering process and CSI's financial results. During the fiscal years ended June 30, 2007 and June 30,

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2008, CSI did not obtain valuations from an independent valuation firm contemporaneously with each option grant date. As further discussed under Management's Discussion and Analysis of Financial Condition and Results of Operations for CSI Critical Accounting Policies and Significant Judgments and Estimates, CSI hired an independent valuation firm to determine the estimated fair value of CSI common stock for financial reporting purposes as of various dates, including June 29, 2007, September 30, 2007, December 31, 2007, March 31, 2008 and June 30, 2008. CSI's board considered these estimates when estimating the fair market value of CSI common stock on each option grant date that followed the board's receipt of an estimate from the valuation firm, but certain grants were later deemed to have been made at less than fair market value when such valuation estimates were retrospectively applied. With respect to options granted from June 12, 2007 through February 14, 2008, the estimated fair value of the common stock determined by the independent valuation firm was higher than the exercise price of stock options CSI had previously granted at or near such dates by a weighted average per share amount of approximately \$0.79.

If the Internal Revenue Service were to determine that the fair market value of CSI common stock was higher than the exercise price of any of CSI's stock options as of the grant date of such options, either in accordance with CSI's financial reporting valuations or under a different methodology, then CSI and CSI's optionholders may experience adverse tax consequences under Section 409A of the Internal Revenue Code and related provisions, including the imposition of future tax liabilities and penalties based on the spread between the fair market value and the exercise price at the time of option vesting and on future increases (if any) in the value of the stock of CSI or the combined company after the vesting date. These liabilities may be significant. The imposition of such liabilities may affect a significant portion of CSI's employees and could adversely affect employee morale and CSI's business operations.

***CSI may be subject to damages or other remedies as a result of pending litigation.***

On December 28, 2007, ev3 Inc., ev3 Endovascular, Inc. and FoxHollow Technologies, Inc. filed a complaint against CSI and certain of CSI's employees alleging, among other things, misappropriation and use of their confidential information by CSI and certain of its employees who were formerly employees of FoxHollow. The complaint also alleges that certain of its employees violated their employment agreements with FoxHollow requiring them to refrain from soliciting FoxHollow employees. This litigation is in an early stage and there can be no assurance as to its outcome. CSI is defending this litigation vigorously. If CSI is not successful in defending it, CSI could be required to pay substantial damages and be subject to equitable relief that could include a requirement that CSI terminate the employment of certain employees, including certain key sales personnel who were formerly employed by FoxHollow. In any event, the defense of this litigation, regardless of the outcome, could result in substantial legal costs and diversion of CSI's management's time and efforts from the operation of CSI's business. If the plaintiffs in this litigation are successful, it could have a material adverse effect on CSI's business, operations and financial condition.

In addition, CSI is currently involved in a dispute with its founder, Dr. Leonid Shturman. Although CSI settled certain claims it had against Dr. Shturman in September 2008, Dr. Shturman raised counterclaims with regard to two shaft winding machines that CSI imported from Russia, which have not been resolved. Dr. Shturman is seeking monetary damages, which he believes to be in excess of \$1.0 million. In an attempted settlement of these counterclaims, the parties entered into a settlement conditioned upon CSI's agreement to pay Dr. Shturman \$50,000 by November 14, 2008, and in connection with Dr. Shturman's desire to sell 22,000 shares of CSI common stock held by him by November 14, 2008 at a fixed price, CSI agreed to refer to Dr. Shturman the names of parties that may be interested in purchasing such shares in private transactions. As of November 19, 2008, CSI had referred to Dr. Shturman names of parties that were interested in purchasing these shares and had also paid Dr. Shturman \$50,000. In addition, CSI and Dr. Shturman have executed a settlement agreement, and pending execution of the settlement agreement by all co-defendants in the lawsuit, CSI anticipates that Dr. Shturman's counterclaim against it will be dismissed. If Dr. Shturman's counterclaims against CSI are not settled, it is possible that CSI may incur substantial costs as a result of this litigation. The technology that is the subject of these disputes is not used in the Diamondback 360° and the shaft winding machines represent obsolete technology that CSI will likely never use.



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**Risks Related to Government Regulation**

*CSI's ability to market the Diamondback 360° in the United States is limited to use as a therapy in patients with PAD, and if CSI wants to expand its marketing claims, CSI will need to file for additional FDA clearances or approvals and conduct further clinical trials, which would be expensive and time-consuming and may not be successful.*

The Diamondback 360° received FDA 510(k) clearance in the United States for use as a therapy in patients with PAD. This general clearance restricts CSI's ability to market or advertise the Diamondback 360° beyond this use and could affect CSI's growth. While off-label uses of medical devices are common and the FDA does not regulate physicians' choice of treatments, the FDA does restrict a manufacturer's communications regarding such off-label use. CSI will not actively promote or advertise the Diamondback 360° for off-label uses. In addition, CSI cannot make comparative claims regarding the use of the Diamondback 360° against any alternative treatments without conducting head-to-head comparative clinical trials, which would be expensive and time consuming. If CSI's promotional activities fail to comply with the FDA's regulations or guidelines, CSI may be subject to FDA warnings or enforcement action.

If CSI determines to market the Diamondback 360° in the United States for other uses, for instance, use in the coronary arteries, CSI would need to conduct further clinical trials and obtain premarket approval from the FDA. Clinical trials are complex, expensive, time consuming, uncertain and subject to substantial and unanticipated delays. Before CSI may begin clinical trials, it must submit and obtain approval for an investigational device exemption, or IDE, that describes, among other things, the manufacture of, and controls for, the device and a complete investigational plan. Clinical trials generally involve a substantial number of patients in a multi-year study. CSI may encounter problems with its clinical trials, and any of those problems could cause CSI or the FDA to suspend those trials, or delay the analysis of the data derived from them.

A number of events or factors, including any of the following, could delay the completion of CSI's clinical trials in the future and negatively impact CSI's ability to obtain FDA clearance or approval for, and to introduce, a particular future product:

failure to obtain approval from the FDA or any foreign regulatory authority to commence an investigational study;

conditions imposed on CSI by the FDA or any foreign regulatory authority regarding the scope or design of CSI's clinical trials;

delays in obtaining or maintaining required approvals from institutional review boards or other reviewing entities at clinical sites selected for participation in CSI's clinical trials;

insufficient supply of CSI's future product candidates or other materials necessary to conduct CSI's clinical trials;

difficulties in enrolling patients in CSI's clinical trials;

negative or inconclusive results from clinical trials, results that are inconsistent with earlier results, or the likelihood that the part of the human anatomy involved is more prone to serious adverse events, necessitating additional clinical trials;

serious or unexpected side effects experienced by patients who use CSI's future product candidates; or

failure by any of CSI's third-party contractors or investigators to comply with regulatory requirements or meet other contractual obligations in a timely manner.

CSI's clinical trials may not begin as planned, may need to be redesigned, and may not be completed on schedule, if at all. Delays in CSI's clinical trials may result in increased development costs for CSI's future product candidates, which could cause CSI's stock price to decline and limit CSI's ability to obtain additional financing. In addition, if one or more of CSI's clinical trials are delayed, competitors may be able to bring products to market before CSI does, and the commercial viability of CSI's future product candidates could be significantly reduced.

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Even if CSI believes that a clinical trial demonstrates promising safety and efficacy data, such results may not be sufficient to obtain FDA clearance or approval. Without conducting and successfully completing further clinical trials, CSI's ability to market the Diamondback 360° will be limited and CSI's revenue expectations may not be realized.

***CSI may become subject to regulatory actions if it is found to have promoted the Diamondback 360° for unapproved uses.***

If the FDA determines that CSI's promotional materials, training or other activities constitute promotion of CSI's product for an unapproved use, it could request that CSI cease use of or modify its training or promotional materials or subject CSI to regulatory enforcement actions, including the issuance of an untitled or warning letter, injunction, seizure, civil fine and criminal penalties. It is also possible that other federal, state or foreign enforcement authorities might take action if they consider promotional, training or other materials to constitute promotion of CSI's product for an unapproved or uncleared use, which could result in significant fines or penalties under other statutory authorities, such as laws prohibiting false claims for reimbursement.

***The Diamondback 360° may in the future be subject to product recalls that could harm CSI's reputation.***

The FDA and similar governmental authorities in other countries have the authority to require the recall of commercialized products in the event of material regulatory deficiencies or defects in design or manufacture. A government mandated or voluntary recall by CSI could occur as a result of component failures, manufacturing errors or design or labeling defects. CSI has not had any instances requiring consideration of a recall, although as CSI continues to grow and develop its products, including the Diamondback 360°, CSI may see instances of field performance requiring a recall. Any recalls of CSI's product would divert managerial and financial resources, harm its reputation with customers and have an adverse effect on its financial condition and results of operations.

***If CSI or its suppliers fail to comply with ongoing regulatory requirements, or if CSI experiences unanticipated problems, CSI's products could be subject to restrictions or withdrawal from the market.***

The Diamondback 360° and related manufacturing processes, clinical data, adverse events, recalls or corrections and promotional activities, are subject to extensive regulation by the FDA and other regulatory bodies. In particular, CSI and its component suppliers are required to comply with the FDA's Quality System Regulation, or QSR, and other regulations, which cover the methods and documentation of the design, testing, production, control, quality assurance, labeling, packaging, storage and shipping of any product for which CSI obtains marketing clearance or approval. The FDA enforces the QSR through announced and unannounced inspections. CSI and certain of its third-party manufacturers have not yet been inspected by the FDA. Failure by CSI or one of its component suppliers to comply with the QSR requirements or other statutes and regulations administered by the FDA and other regulatory bodies, or failure to adequately respond to any observations, could result in, among other things:

warning or other letters from the FDA;

fines, injunctions and civil penalties;

product recall or seizure;

unanticipated expenditures;

delays in clearing or approving or refusal to clear or approve products;

withdrawal or suspension of approval or clearance by the FDA or other regulatory bodies;



orders for physician notification or device repair, replacement or refund;  
operating restrictions, partial suspension or total shutdown of production or clinical trials; and  
criminal prosecution.

If any of these actions were to occur, it would harm CSI's reputation and cause its product sales to suffer.

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Furthermore, any modification to a device that has received FDA clearance or approval that could significantly affect its safety or efficacy, or that would constitute a major change in its intended use, design or manufacture, requires a new clearance or approval from the FDA. If the FDA disagrees with any determination by CSI that new clearance or approval is not required, CSI may be required to cease marketing or to recall the modified product until CSI obtains clearance or approval. In addition, CSI could be subject to significant regulatory fines or penalties.

Regulatory clearance or approval of a product may also require costly post-marketing testing or surveillance to monitor the safety or efficacy of the product. Later discovery of previously unknown problems with CSI's products, including unanticipated adverse events or adverse events of unanticipated severity or frequency, manufacturing problems, or failure to comply with regulatory requirements such as the QSR, may result in restrictions on such products or manufacturing processes, withdrawal of the products from the market, voluntary or mandatory recalls, fines, suspension of regulatory approvals, product seizures, injunctions or the imposition of civil or criminal penalties.

***The use, misuse or off-label use of the Diamondback 360° may increase the risk of injury, which could result in product liability claims and damage to CSI's business.***

The use, misuse or off-label use of the Diamondback 360° may result in injuries that lead to product liability suits, which could be costly to CSI's business. The Diamondback 360° is not FDA-cleared or approved for treatment of the carotid arteries, the coronary arteries, within bypass grafts or stents, of thrombus or where the lesion cannot be crossed with a guidewire or a significant dissection is present at the lesion site. CSI cannot prevent a physician from using the Diamondback 360° for off-label applications. The application of the Diamondback 360° to coronary or carotid arteries, as opposed to peripheral arteries, is more likely to result in complications that have serious consequences, including heart attacks or strokes which could result, in certain circumstances, in death.

***CSI will face risks related to product liability claims, which could exceed the limits of available insurance coverage.***

If the Diamondback 360° is defectively designed, manufactured or labeled, contains defective components or is misused, CSI may become subject to costly litigation by its customers or their patients. The medical device industry is subject to substantial litigation, and CSI faces an inherent risk of exposure to product liability claims in the event that the use of CSI's product results or is alleged to have resulted in adverse effects to a patient. In most jurisdictions, producers of medical products are strictly liable for personal injuries caused by medical devices. CSI may be subject in the future to claims for personal injuries arising out of the use of CSI's products. Product liability claims could divert management's attention from CSI's core business, be expensive to defend and result in sizable damage awards against CSI. A product liability claim against CSI, even if ultimately unsuccessful, could have a material adverse effect on its financial condition, results of operations and reputation. While CSI has product liability insurance coverage for its products and intends to maintain such insurance coverage in the future, there can be no assurance that CSI will be adequately protected from the claims that will be brought against it.

***Compliance with environmental laws and regulations could be expensive. Failure to comply with environmental laws and regulations could subject CSI to significant liability.***

CSI's operations are subject to regulatory requirements relating to the environment, waste management and health and safety matters, including measures relating to the release, use, storage, treatment, transportation, discharge, disposal and remediation of hazardous substances. Although CSI is currently classified as a Very Small Quantity Hazardous Waste Generator within Ramsey County, Minnesota, CSI cannot ensure that it will maintain its licensed status as such, nor can CSI ensure that it will not incur material costs or liability in connection with its operations, or that CSI's past or future operations will not result in claims or injury by employees or the public. Environmental laws and regulations could also become more stringent over time, imposing greater compliance costs and increasing risks and penalties associated with violations.



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***CSI and its distributors must comply with various federal and state anti-kickback, self-referral, false claims and similar laws, any breach of which could cause a material adverse effect on CSI's business, financial condition and results of operations.***

CSI's relationships with physicians, hospitals and the marketers of CSI's products are subject to scrutiny under various federal anti-kickback, self-referral, false claims and similar laws, often referred to collectively as healthcare fraud and abuse laws.

Healthcare fraud and abuse laws are complex, and even minor, inadvertent violations can give rise to claims that the relevant law has been violated. If CSI's operations are found to be in violation of these laws, CSI, as well as its employees, may be subject to penalties, including monetary fines, civil and criminal penalties, exclusion from federal and state healthcare programs, including Medicare, Medicaid, Veterans Administration health programs, workers compensation programs and TRICARE (the healthcare system administered by or on behalf of the U.S. Department of Defense for uniformed services beneficiaries, including active duty and their dependents, retirees and their dependents), and forfeiture of amounts collected in violation of such prohibitions. Individual employees may need to defend such suits on behalf of CSI or themselves, which could lead to significant disruption in CSI's present and future operations. Certain states in which CSI intends to market its products have similar fraud and abuse laws, imposing substantial penalties for violations. Any government investigation or a finding of a violation of these laws would likely have a material adverse effect on CSI's business, financial condition and results of operations.

Anti-kickback laws and regulations prohibit any knowing and willful offer, payment, solicitation or receipt of any form of remuneration in return for the referral of an individual or the ordering or recommending of the use of a product or service for which payment may be made by Medicare, Medicaid or other government-sponsored healthcare programs. In addition, the cost of non-compliance with these laws could be substantial, since CSI could be subject to monetary fines and civil or criminal penalties, and CSI could also be excluded from federally funded healthcare programs, including Medicare and Medicaid, for non-compliance.

CSI has entered into consulting agreements with physicians, including some who may make referrals to CSI or order its product. One of these physicians was one of 20 principal investigators in CSI's OASIS clinical trial at the same time he was acting as a paid consultant for CSI. In addition, some of these physicians own CSI's stock, which they purchased in arm's-length transactions on terms identical to those offered to non-physicians, or received stock options from CSI as consideration for consulting services performed by them. CSI believes that these consulting agreements and equity investments by physicians are common practice in CSI's industry, and while these transactions were structured with the intention of complying with all applicable laws, including the federal ban on physician self-referrals, commonly known as the Stark Law, state anti-referral laws and other applicable anti-kickback laws, it is possible that regulatory or enforcement agencies or courts may in the future view these transactions as prohibited arrangements that must be restructured or for which CSI would be subject to other significant civil or criminal penalties, or prohibit the company from accepting referrals from these physicians. Because CSI's strategy relies on the involvement of physicians who consult with CSI on the design of its product, CSI could be materially impacted if regulatory or enforcement agencies or courts interpret CSI's financial relationships with its physician advisors who refer or order CSI's product to be in violation of applicable laws and determine that CSI would be unable to achieve compliance with such applicable laws. This could harm CSI's reputation and the reputations of its clinical advisors.

The scope and enforcement of all of these laws is uncertain and subject to rapid change, especially in light of the lack of applicable precedent and regulations. There can be no assurance that federal or state regulatory or enforcement authorities will not investigate or challenge CSI's current or future activities under these laws. Any investigation or challenge could have a material adverse effect on CSI's business, financial condition and results of operations. Any state or federal regulatory or enforcement review of CSI, regardless of the outcome, would be costly and time consuming. Additionally, CSI cannot predict the impact of any changes in these laws, whether these changes are

retroactive or will have effect on a going-forward basis only.

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***The combined company will incur significant costs as a result of operating as a public company, and the combined company's management will be required to devote substantial time to compliance initiatives.***

As a public company, Replidyne currently incurs significant legal, accounting and other expenses that Replidyne did not incur as a private company. In addition, the Sarbanes-Oxley Act, as well as rules subsequently implemented by the Securities and Exchange Commission and the Nasdaq Global Market, have imposed various requirements on public companies, including requiring establishment and maintenance of effective disclosure and financial controls and changes in corporate governance practices. Replidyne's management and other personnel devote a substantial amount of time to these compliance initiatives. Moreover, these rules and regulations have increased Replidyne's legal and financial compliance costs and made some activities more time consuming and costly. While Replidyne has developed and instituted a corporate compliance program based on what Replidyne believes are the current appropriate best practices and continues to update the program in response to newly implemented or changing regulatory requirements, Replidyne cannot ensure that it is or will be in compliance with all potentially applicable regulations.

The Sarbanes-Oxley Act requires, among other things, that Replidyne maintain effective internal controls for financial reporting and disclosure controls and procedures. In particular, Replidyne must perform system and process evaluation and testing of Replidyne's internal controls over financial reporting to allow management and, at certain times, Replidyne's independent registered public accounting firm to report on the effectiveness of Replidyne's internal controls over financial reporting, as required by Section 404 of the Sarbanes-Oxley Act. Replidyne's testing, or the subsequent testing by its independent registered public accounting firm, when required, may reveal deficiencies in Replidyne's internal controls over financial reporting that are deemed to be material weaknesses. Moreover, if Replidyne is not able to comply with the requirements of Section 404 in a timely manner, or if Replidyne or its independent registered public accounting firm identifies deficiencies in Replidyne's internal controls over financial reporting that are deemed to be material weaknesses, the market price of Replidyne's stock could decline and Replidyne could be subject to sanctions or investigations by Nasdaq, the SEC or other regulatory authorities, which would require additional financial and management resources. The reductions in headcount that Replidyne has recently completed may make it more difficult for Replidyne to maintain its internal controls over financial reporting.

The combined company will be subject to all of the same obligations, but CSI's current management will be responsible for compliance. These obligations will require significant additional expenditures, place additional demands on the combined company's management and divert management's time and attention away from the combined company's business. These additional obligations will also require the combined company to hire additional personnel. CSI is currently evaluating its internal controls systems in order to allow the combined company to report on, and the combined company's independent registered public accounting firm to attest to, internal controls, as required by Section 404 of the Sarbanes-Oxley Act. CSI cannot be certain as to the timing of completion of the evaluation, testing and remediation actions or the impact of the same on the operations of the combined company. The combined company's management may not be able to effectively and timely implement controls and procedures that adequately respond to the increased regulatory compliance and reporting requirements that will be applicable. If the combined company fails to staff its accounting and finance function adequately or maintain internal controls adequate to meet the demands that will be placed upon it as a public company, including the requirements of the Sarbanes-Oxley Act, the combined company may be unable to report its financial results accurately or in a timely manner and the combined company's business and stock price may suffer. The costs of being a public company, as well as diversion of management's time and attention, may have a material adverse effect on the combined company's business, financial condition and results of operations.

Additionally, these laws and regulations could make it more difficult or more costly for the combined company to obtain certain types of insurance, including director and officer liability insurance, and the combined company may be forced to accept reduced policy limits and coverage or incur substantially higher costs to obtain the same or similar coverage. The impact of these events could also make it more difficult for the combined company to attract and retain

qualified persons to serve on its board of directors, board committees or as executive officers.

**Table of Contents****Risks Relating to CSI's Intellectual Property**

*CSI's inability to adequately protect its intellectual property could allow its competitors and others to produce products based on CSI's technology, which could substantially impair CSI's ability to compete.*

CSI's success and ability to compete depends, in part, upon its ability to maintain the proprietary nature of its technologies. CSI relies on a combination of patents, copyrights and trademarks, as well as trade secrets and nondisclosure agreements, to protect its intellectual property. As of December 31, 2008, CSI had a portfolio of 16 issued U.S. patents and 33 issued or granted non-U.S. patents covering aspects of CSI's core technology, which expire between 2017 and 2022. However, CSI's issued patents and related intellectual property may not be adequate to protect CSI or permit it to gain or maintain a competitive advantage. The issuance of a patent is not conclusive as to its scope, validity or enforceability. The scope, validity or enforceability of CSI's issued patents can be challenged in litigation or proceedings before the U.S. Patent and Trademark Office, or the USPTO. In addition, CSI's pending patent applications include claims to numerous important aspects of CSI's products under development that are not currently protected by any of CSI's issued patents. CSI cannot assure you that any of its pending patent applications will result in the issuance of patents to it. The USPTO may deny or require significant narrowing of claims in CSI's pending patent applications. Even if any patents are issued as a result of pending patent applications, they may not provide CSI with significant commercial protection or be issued in a form that is advantageous to it. Proceedings before the USPTO could result in adverse decisions as to the priority of CSI's inventions and the narrowing or invalidation of claims in issued patents. Further, if any patents CSI obtains or licenses are deemed invalid and unenforceable, or have their scope narrowed, it could impact CSI's ability to commercialize or license its technology.

Changes in either the patent laws or in interpretations of patent laws in the United States and other countries may diminish the value of CSI's intellectual property. For instance, the U.S. Supreme Court has recently modified some tests used by the USPTO in granting patents during the past 20 years, which may decrease the likelihood that CSI will be able to obtain patents and increase the likelihood of challenge of any patents CSI obtains or licenses. In addition, the USPTO has adopted new rules of practice (the application of which has been enjoined as a result of litigation) that limit the number of claims that may be filed in a patent application and the number of continuation or continuation-in-part applications that may be filed. These new rules may result in patent applicants being unable to secure all of the rights that they would otherwise have been entitled to in the absence of the new rules and, therefore, may negatively affect CSI's ability to obtain comprehensive patent coverage. The laws of some foreign countries may not protect CSI's intellectual property rights to the same extent as the laws of the United States, if at all.

To protect CSI's proprietary rights, CSI may, in the future, need to assert claims of infringement against third parties to protect CSI's intellectual property. The outcome of litigation to enforce its intellectual property rights in patents, copyrights, trade secrets or trademarks is highly unpredictable, could result in substantial costs and diversion of resources, and could have a material adverse effect on its financial condition, reputation and results of operations regardless of the final outcome of such litigation. In the event of an adverse judgment, a court could hold that some or all of CSI's asserted intellectual property rights are not infringed, invalid or unenforceable, and could order CSI to pay third-party attorneys' fees. Despite CSI's efforts to safeguard its unpatented and unregistered intellectual property rights, CSI may not be successful in doing so or the steps taken by it in this regard may not be adequate to detect or deter misappropriation of CSI's technology or to prevent an unauthorized third party from copying or otherwise obtaining and using its products, technology or other information that it regards as proprietary. In addition, CSI may not have sufficient resources to litigate, enforce or defend its intellectual property rights. Additionally, third parties may be able to design around CSI's patents.



CSI also relies on trade secrets, technical know-how and continuing innovation to develop and maintain its competitive position. In this regard, CSI seeks to protect its proprietary information and other intellectual property by requiring its employees, consultants, contractors, outside scientific collaborators and other advisors to execute non-disclosure and assignment of invention agreements on commencement of their employment or engagement. Agreements with CSI's employees also forbid them from bringing the proprietary rights of third parties to it. CSI also requires confidentiality or material transfer agreements from third parties that receive CSI's confidential data or materials. However, trade secrets are difficult to protect. CSI cannot provide any assurance that employees and third parties will abide by the confidentiality or assignment terms of these agreements, or that CSI will be effective

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securing necessary assignments from these third parties. Despite measures taken to protect CSI's intellectual property, unauthorized parties might copy aspects of CSI's products or obtain and use information that CSI regards as proprietary. Enforcing a claim that a third party illegally obtained and is using any of CSI's trade secrets is expensive and time consuming, and the outcome is unpredictable. In addition, courts outside the United States are sometimes less willing to protect trade secrets. Finally, others may independently discover trade secrets and proprietary information, and this would prevent CSI from asserting any such trade secret rights against these parties.

CSI's inability to adequately protect its intellectual property could allow its competitors and others to produce products based on CSI's technology, which could substantially impair CSI's ability to compete.

***Claims of infringement or misappropriation of the intellectual property rights of others could prohibit CSI from commercializing products, require it to obtain licenses from third parties or require it to develop non-infringing alternatives, and subject it to substantial monetary damages and injunctive relief.***

The medical technology industry is characterized by extensive litigation and administrative proceedings over patent and other intellectual property rights. The likelihood that patent infringement or misappropriation claims may be brought against CSI increases as it achieves more visibility in the marketplace and introduces products to market. All issued patents are entitled to a presumption of validity under the laws of the United States. Whether a product infringes a patent involves complex legal and factual issues, the determination of which is often uncertain. Therefore, CSI cannot be certain that it has not infringed the intellectual property rights of such third parties or others. CSI's competitors may assert that CSI's products are covered by U.S. or foreign patents held by them. CSI is aware of numerous patents issued to third parties that relate to the manufacture and use of medical devices for interventional cardiology. The owners of each of these patents could assert that the manufacture, use or sale of CSI's products infringes one or more claims of their patents. Because patent applications may take years to issue, there may be applications now pending of which CSI is unaware that may later result in issued patents that CSI infringes. If another party has filed a U.S. patent application on inventions similar to CSI's, CSI may have to participate in an interference proceeding declared by the USPTO to determine priority of invention in the United States. The costs of these proceedings can be substantial, and it is possible that such efforts would be unsuccessful if unbeknownst to it, the other party had independently arrived at the same or similar invention prior to CSI's own invention, resulting in a loss of CSI's U.S. patent position with respect to such inventions. There could also be existing patents of which CSI is unaware that one or more aspects of its technology may inadvertently infringe. In some cases, litigation may be threatened or brought by a patent-holding company or other adverse patent owner who has no relevant product revenues and against whom CSI's patents may provide little or no deterrence.

Any infringement or misappropriation claim could cause CSI to incur significant costs, place significant strain on CSI's financial resources, divert management's attention from CSI's business and harm its reputation. Some of CSI's competitors may be able to sustain the costs of complex patent litigation more effectively than CSI can because they have substantially greater resources. In addition, any uncertainties resulting from the initiation and continuation of any litigation could have a material adverse effect on CSI's ability to raise the funds necessary to continue its operations. Although patent and intellectual property disputes in the medical device area have often been settled through licensing or similar arrangements, costs associated with such arrangements may be substantial and could include ongoing royalties. If the relevant patents were upheld in litigation as valid and enforceable and CSI were found to infringe, CSI could be prohibited from commercializing any infringing products unless it could obtain licenses to use the technology covered by the patent or are able to design around the patent. CSI may be unable to obtain a license on terms acceptable to it, if at all, and CSI may not be able to redesign any infringing products to avoid infringement. Further, any redesign may not receive FDA clearance or approval or may not receive such clearance or approval in a timely manner. Any such license could impair operating margins on future product revenue. A court could also order CSI to pay compensatory damages for such infringement, and potentially treble damages, plus prejudgment interest and third-party attorneys' fees. These damages could be substantial and could harm CSI's reputation, business, financial

condition and operating results. A court also could enter orders that temporarily, preliminarily or permanently enjoin CSI and its customers from making, using, selling, offering to sell or importing infringing products, or could enter an order mandating that CSI undertake certain remedial activities. Depending on the nature of the relief ordered by the court, CSI could become liable for additional damages to third parties. Adverse determinations in a judicial or administrative proceeding or failure to obtain necessary licenses could prevent CSI from manufacturing and selling its products, which would have a significant adverse impact on its business.

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**Risks Relating to Ownership of Common Stock of the Combined Company**

*Because there has not been a public market for CSI common stock, the combined company's stock price is expected to be volatile and you may not be able to resell your shares in the combined company.*

The market price of the combined company's common stock could be subject to significant fluctuations following the merger. Market prices for securities of early-stage pharmaceutical, medical device, biotechnology and other life sciences companies have historically been particularly volatile. Some of the factors that may cause the market price of the combined company's common stock to fluctuate include:

difficulties in integrating Replidyne and CSI following the merger;

its ability to develop, obtain regulatory clearances or approvals for and market new and enhanced products on a timely basis;

changes in governmental regulations or in the status of its regulatory approvals, clearances or future applications;

its announcements or its competitors' announcements regarding new products, product enhancements, significant contracts, number of hospitals and physicians using CSI's products, acquisitions or strategic investments;

announcements of technological or medical innovations for the treatment of vascular disease;

delays or other problems with the manufacturing of the Diamondback 360°;

volume and timing of orders for the Diamondback 360° and any future products, if and when commercialized;

changes in the availability of third-party reimbursement in the United States and other countries;

quarterly variations in the combined company's or its competitors' results of operations;

changes in earnings estimates or recommendations by securities analysts, if any, who cover the combined company's common stock;

failure to meet estimates or recommendations by securities analysts, if any, who cover the combined company's stock;

changes in healthcare policy;

product liability claims or other litigation involving CSI or the combined company;

product recalls;

accusations that CSI or the combined company has violated a law or regulation;

sales of large blocks of the combined company's common stock, including sales by CSI's executive officers, directors and significant stockholders;

disputes or other developments with respect to intellectual property rights;

changes in accounting principles; and

general market conditions and other factors, including factors unrelated to the combined company's operating performance or the operating performance of its competitors.

In addition, if securities class action litigation is initiated against the combined company, it would incur substantial costs and its management's attention would be diverted from operations. All of these factors could cause the price of the combined company's stock to decline, and you may lose some or all of your investment.

Moreover, the stock markets in general have experienced substantial volatility that has often been unrelated to the operating performance of individual companies. These broad market fluctuations may also adversely affect the trading price of the combined company's common stock.

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In the past, following periods of volatility in the market price of a company's securities, stockholders have often instituted class action securities litigation against such company. Such litigation, if instituted, could result in substantial costs and diversion of management attention and resources, which could significantly harm the combined company's profitability and reputation.

***Replidyne and CSI do not expect the combined company to pay cash dividends, and accordingly, stockholders must rely on stock appreciation for any return on their investment in the combined company.***

Replidyne and CSI anticipate that the combined company will retain its earnings, if any, for future growth and therefore do not anticipate that the combined company will pay cash dividends in the future. As a result, appreciation of the price of the combined company's common stock is the only potential source of return to stockholders. Investors seeking cash dividends should not invest in the combined company's common stock.

***If equity research analysts do not publish research or reports about the combined company's business or if they issue unfavorable research or downgrade the combined company's common stock, the price of its common stock could decline.***

Investors may look to reports of equity research analysts for additional information regarding the combined company's industry and operations. Therefore, any trading market for the combined company's common stock will rely in part on the research and reports that equity research analysts publish about the combined company and its business. The combined company does not control these analysts. Equity research analysts may elect not to provide research coverage of the combined company's common stock, which may adversely affect the market price of its common stock. If equity research analysts do provide research coverage of the combined company's common stock, the price of its common stock could decline if one or more of these analysts downgrade the common stock or if they issue other unfavorable commentary about the combined company or its business. If one or more of these analysts ceases coverage of the combined company, it could lose visibility in the market, which in turn could cause its stock price to decline.

***The combined company will not be able to utilize Replidyne's net operating loss carryforwards.***

Under Section 382 of the Internal Revenue Code, if a corporation undergoes an ownership change (generally defined as a greater than 50% change (by value) in its equity ownership over a three-year period), the corporation's ability to use its pre-change net operating loss carryforwards and other pre-change tax attributes to offset its post-change income may be limited. Further, if the continuity of business requirement defined in Section 382 is not met in a change of control transaction, the pre-transaction net operating loss carryforward deductions become substantially reduced or unavailable for use by the surviving corporation in the transaction. An ownership change will occur as a result of the merger and there will not be a continuation of Replidyne's business following completion of the merger, which will substantially reduce or eliminate the ability of the combined company to utilize Replidyne's net operating loss carryforwards.

***Some provisions of the charter documents of the combined company and Delaware law may have anti-takeover effects that could discourage an acquisition of the combined company by others, even if an acquisition would be beneficial to the combined company's stockholders.***

Provisions in Replidyne's restated certificate of incorporation and bylaws, which will be the charter documents of the combined company, as well as provisions of Delaware law, could make it more difficult for a third party to acquire the combined company, even if doing so would benefit the combined company's stockholders. These provisions include:

authorizing the issuance of blank check preferred stock, the terms of which may be established and shares of which may be issued without stockholder approval;

limiting the removal of directors by the stockholders;

prohibiting stockholder action by written consent, thereby requiring all stockholder actions to be taken at a meeting of stockholders;

eliminating the ability of stockholders to call a special meeting of stockholders; and

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establishing advance notice requirements for nominations for election to the board of directors or for proposing matters that can be acted upon at stockholder meetings.

In addition, the combined company will be subject to Section 203 of the Delaware General Corporation Law, which generally prohibits a Delaware corporation from engaging in any of a broad range of business combinations with an interested stockholder for a period of three years following the date on which the stockholder became an interested stockholder, unless such transactions are approved by such corporation's board of directors. This provision could have the effect of delaying or preventing a change of control, whether or not it is desired by or beneficial to the combined company's stockholders.

***Future sales and issuances of the combined company's common stock or rights to purchase common stock, including pursuant to equity incentive plans, could result in additional dilution of the percentage ownership of the combined company's stockholders and could cause the stock price to fall.***

Sales of a substantial number of shares of the combined company's common stock in the public market or the perception that these sales might occur, could depress the market price of the combined company's common stock and could impair its ability to raise capital through the sale of additional equity securities. Replidyne and CSI are unable to predict the effect that sales may have on the prevailing market price of the common stock.

To the extent the combined company raises additional capital by issuing equity securities, including in a debt financing where the combined company issues convertible notes or notes with warrants, the combined company's stockholders may experience substantial dilution. The combined company may sell common stock in one or more transactions at prices and in a manner it determines from time to time. If the combined company sells common stock in more than one transaction, existing stockholders may be materially diluted. In addition, new investors could gain rights superior to existing stockholders, such as liquidation and other preferences. In connection with the merger, the combined company will assume the equity incentive plans of CSI as well as all outstanding options and warrants to purchase shares of CSI common stock that will become exercisable for shares of the combined company's common stock. In addition, the number of shares available for future grant under the equity incentive plans that the combined company will be assuming in connection with the merger will be increased. In addition, Replidyne and CSI also have warrants outstanding to purchase shares of capital stock. The combined company's stockholders will incur dilution upon exercise of any outstanding stock options or warrants.

All of Replidyne's outstanding shares of common stock are, and any shares that are issued in the merger will be, freely tradable without restrictions or further registration under the Securities Act of 1933, as amended, except for any shares subject to lock-up agreements executed in connection with the merger and any shares held by affiliates, as defined in Rule 144 under the Securities Act. Rule 144 defines an affiliate as a person who directly, or indirectly through one or more intermediaries, controls, or is controlled by, or is under common control with, the combined company and would include persons such as the combined company's directors and executive officers.



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**FORWARD-LOOKING INFORMATION**

This proxy statement/prospectus includes forward-looking statements within the meaning of the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. Words such as anticipate, believes, budget, continue, could, estimate, expect, forecast, intend, may, plan, potential, predicts, project, show, and similar expressions are intended to identify such forward-looking statements. Forward-looking statements in this proxy statement/prospectus include, without limitation, statements regarding benefits of the proposed merger and future expectations concerning available cash and cash equivalents, the timing of regulatory filings, and other matters that involve known and unknown risks, uncertainties and other factors that may cause actual results, levels of activity, performance or achievements to differ materially from results expressed in or implied by this proxy statement/prospectus. Such risk factors include, among others: the ability of Replidyne and CSI to consummate the proposed merger; the ability of the combined company to market and sell the Diamondback 360°; the ability of the combined company to obtain the substantial additional funding required to conduct development and commercialization activities; the ability of the combined company to obtain regulatory approvals; the ability of the combined company to gain listing on the Nasdaq Global Market and comply with Nasdaq listing standards; and the ability of the combined company to obtain, maintain and enforce patent and other intellectual property protection for its technology. These and other risks are described in greater detail in the section entitled Risk Factors beginning on page 18 of this proxy statement/prospectus.

Actual results may differ materially from those contained in the forward-looking statements in this proxy statement/prospectus. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this proxy statement/prospectus. All forward-looking statements are qualified in their entirety by this cautionary statement.

**MARKET AND INDUSTRY DATA**

Information and management estimates contained in this proxy statement/prospectus concerning the medical device industry, including general expectations and market position, market opportunity and market share, are based on publicly available information, such as clinical studies, academic research reports and other research reports, as well as information from industry reports provided by third-party sources, such as Millennium Research Group. The management estimates are also derived from CSI's internal research, using assumptions made by CSI that it believes to be reasonable and CSI's knowledge of the industry and markets in which CSI operates and expects to compete. Other than Millennium Research Group, none of the sources cited in this proxy statement/prospectus has consented to the inclusion of any data from its reports, nor have Replidyne or CSI sought their consent. CSI's internal research has not been verified by any independent source, and CSI has not independently verified any third-party information. In addition, while CSI believes the market position, market opportunity and market share information included in this proxy statement/prospectus is generally reliable, such information is inherently imprecise. Such data involves risks and uncertainties and are subject to change based on various factors, including those discussed under the heading Risk Factors.

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**THE SPECIAL MEETING OF REPLIDYNE STOCKHOLDERS**

**Date, Time and Place**

The special meeting of Replidyne stockholders will be held on \_\_\_\_\_, 2009 at Cooley Godward Kronish LLP, 380 Interlocken Crescent, Suite 900, Broomfield, Colorado commencing at 9:00 a.m., local time. We are sending this proxy statement/prospectus to you in connection with the solicitation of proxies by the Replidyne board of directors for use at the Replidyne special meeting and any adjournments or postponements of the special meeting. This proxy statement/prospectus is first being furnished to Replidyne stockholders on or about \_\_\_\_\_, 2009.

**Purposes of the Replidyne Special Meeting**

1. To consider and vote upon a proposal to approve the issuance of Replidyne common stock pursuant to the Agreement and Plan of Merger and Reorganization, dated November 3, 2008, by and among Replidyne, Responder Merger Sub, Inc., and CSI as described in this proxy statement/prospectus.
2. To authorize Replidyne's board of directors to amend Replidyne's restated certificate of incorporation in order to effect a reverse stock split of the issued and outstanding shares of Replidyne common stock in a ratio of up to one for 50, if and as determined by Replidyne's board of directors.
3. To approve an amendment to Replidyne's restated certificate of incorporation to change the name Replidyne, Inc. to Cardiovascular Systems, Inc.
4. To approve an amendment to Replidyne's restated certificate of incorporation to increase the number of authorized shares of Replidyne common stock to \_\_\_\_\_.
5. To approve Replidyne's assumption of the Cardiovascular Systems, Inc. 2007 Equity Incentive Plan to be used by Replidyne following the consummation of the merger, together with an increase in the number of shares of CSI common stock reserved for issuance under the plan from 3,379,397 to \_\_\_\_\_, which following the merger will be converted into shares of Replidyne common stock, subject to further adjustment for the reverse stock split anticipated before closing of the merger.
6. To approve an amendment to the Replidyne, Inc. 2006 Employee Stock Purchase Plan to increase the number of shares reserved under the plan from 305,872 to \_\_\_\_\_, subject to further adjustment for the reverse stock split anticipated before the closing of the merger.
7. To consider and vote upon an adjournment of the special meeting, if necessary, if a quorum is present, to solicit additional proxies if there are not sufficient votes in favor of Replidyne Proposal No. 1, 2, 3, 4, 5 or 6.
8. To transact such other business as may properly come before the special meeting or any adjournment or postponement thereof.

The board of directors of Replidyne has fixed \_\_\_\_\_, 2009 as the record date for the determination of stockholders entitled to notice of, and to vote at, the special meeting and any adjournment or postponement thereof. Only holders of record of shares of Replidyne common stock at the close of business on the record date are entitled to notice of, and to vote at, the special meeting. At the close of business on the record date, Replidyne had \_\_\_\_\_ shares of common stock outstanding and entitled to vote.

**Recommendation of the Replidyne Board of Directors**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT THE ISSUANCE OF SHARES OF REPLIDYNE COMMON STOCK IN THE MERGER IS ADVISABLE TO, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 1 TO APPROVE THE ISSUANCE OF SHARES OF REPLIDYNE COMMON STOCK IN THE MERGER.**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT THE APPROVAL OF THE AMENDMENT TO REPLIDYNE S RESTATED CERTIFICATE OF**

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**INCORPORATION TO EFFECT A REVERSE STOCK SPLIT IS ADVISABLE TO, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 2 TO APPROVE THE AMENDMENT TO REPLIDYNE S RESTATED CERTIFICATE OF INCORPORATION FOR THIS PURPOSE.**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT THE APPROVAL OF THE AMENDMENT TO REPLIDYNE S RESTATED CERTIFICATE OF INCORPORATION TO EFFECT A NAME CHANGE FROM REPLIDYNE, INC. TO CARDIOVASCULAR SYSTEMS, INC. IS ADVISABLE TO, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 3 TO APPROVE THE AMENDMENT TO REPLIDYNE S RESTATED CERTIFICATE OF INCORPORATION FOR THIS PURPOSE.**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT THE APPROVAL OF THE AMENDMENT TO REPLIDYNE S RESTATED CERTIFICATE OF INCORPORATION TO EFFECT AN INCREASE IN THE NUMBER OF AUTHORIZED SHARES OF REPLIDYNE COMMON STOCK TO IS ADVISABLE TO, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 4 TO APPROVE THE AMENDMENT TO REPLIDYNE S RESTATED CERTIFICATE OF INCORPORATION FOR THIS PURPOSE.**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT THE APPROVAL OF THE ASSUMPTION OF THE CARDIOVASCULAR SYSTEMS, INC. 2007 EQUITY INCENTIVE PLAN, AS AMENDED TO INCREASE THE NUMBER OF CSI SHARES RESERVED UNDER THE PLAN TO CSI SHARES, SUBJECT TO CONVERSION UPON THE CONSUMMATION OF THE MERGER AND FURTHER ADJUSTMENT FOR THE REVERSE STOCK SPLIT, IS ADVISABLE TO, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 5 TO APPROVE THE ASSUMPTION OF THE CARDIOVASCULAR SYSTEMS, INC. 2007 EQUITY INCENTIVE PLAN, AS AMENDED.**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT THE APPROVAL OF THE AMENDMENT TO THE REPLIDYNE 2006 EMPLOYEE STOCK PURCHASE PLAN TO INCREASE THE NUMBER OF SHARES RESERVED UNDER THE PLAN TO SHARES, SUBJECT TO FURTHER ADJUSTMENT FOR THE REVERSE STOCK SPLIT, IS ADVISABLE TO, AND IN THE BEST INTERESTS OF, REPLIDYNE AND ITS STOCKHOLDERS AND HAS APPROVED SUCH PROPOSAL. THE REPLIDYNE BOARD OF DIRECTORS RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 6 TO APPROVE THE INCREASE IN THE NUMBER OF SHARES RESERVED UNDER THE REPLIDYNE 2006 EMPLOYEE STOCK PURCHASE PLAN.**

**THE REPLIDYNE BOARD OF DIRECTORS HAS DETERMINED AND BELIEVES THAT ADJOURNING THE SPECIAL MEETING, IF NECESSARY, IF A QUORUM IS PRESENT, TO SOLICIT ADDITIONAL PROXIES IF THERE ARE NOT SUFFICIENT VOTES IN FAVOR OF REPLIDYNE PROPOSAL NO. 1, 2, 3, 4, 5 OR 6 IS ADVISABLE TO, AND IN THE BEST INTERESTS OF REPLIDYNE AND HAS APPROVED SUCH ADJOURNMENT, IF NECESSARY. REPLIDYNE S BOARD OF DIRECTORS**

**RECOMMENDS THAT REPLIDYNE STOCKHOLDERS VOTE FOR REPLIDYNE PROPOSAL NO. 7 TO ADJOURN THE SPECIAL MEETING, IF NECESSARY, IF A QUORUM IS PRESENT, TO SOLICIT ADDITIONAL PROXIES IF THERE ARE NOT SUFFICIENT VOTES IN FAVOR OF REPLIDYNE PROPOSAL NO. 1, 2, 3, 4, 5 OR 6.**

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### **Record Date and Voting Power**

Only holders of record of Replidyne common stock at the close of business on the record date, , 2009, are entitled to notice of, and to vote at, the Replidyne special meeting. There were approximately holders of record of Replidyne common stock at the close of business on the record date. Because many of such shares are held by brokers and other institutions on behalf of stockholders, Replidyne is unable to estimate the total number of stockholders represented by these record holders. At the close of business on the record date, shares of Replidyne common stock were issued and outstanding. Each share of Replidyne common stock entitles the holder thereof to one vote on each matter submitted for stockholder approval. See Replidyne Security Ownership by Certain Beneficial Owners and Management for information regarding persons known to the management of Replidyne to be the beneficial owners of more than 5% of the outstanding shares of Replidyne common stock.

### **Voting and Revocation of Proxies**

The proxy accompanying this proxy statement/prospectus is solicited on behalf of Replidyne's board of directors for use at the Replidyne special meeting.

If you are a stockholder of record of Replidyne as of the record date referred to above, you may vote in person at the special meeting or vote by proxy over the Internet, by telephone or using the enclosed proxy card. Whether or not you plan to attend the special meeting, Replidyne urges you to vote by proxy to ensure your vote is counted. You may still attend the special meeting and vote in person if you have already voted by proxy.

If your shares are registered directly in your name, you may vote:

*Over the Internet.* Go to the web site of Replidyne's tabulator, American Stock Transfer & Trust Company, LLC, at <http://www.voteproxy.com> and follow the instructions you will find there. You must specify how you want your shares voted or your Internet vote cannot be completed and you will receive an error message. Your shares will be voted according to your instructions.

*By Telephone.* Call 1-800-776-9437 toll-free from the United States or 1-718-921-8500 from foreign countries and follow the instructions. You must specify how you want your shares voted and confirm your vote at the end of the call or your telephone vote cannot be completed. Your shares will be voted according to your instructions.

*By Mail.* Complete, date and sign the enclosed proxy card and mail it in the enclosed postage-paid envelope to American Stock Transfer & Trust Company, LLC. Your proxy will be voted according to your instructions. If you do not specify how you want your shares voted, they will be voted as recommended by Replidyne's board of directors.

*In Person at the Meeting.* If you attend the meeting, you may deliver your completed proxy card in person or you may vote by completing a ballot, which will be available at the meeting.

If your shares are held in street name for your account by a bank broker or other nominee, you may vote:

*Over the Internet or By Telephone.* You will receive instructions from your broker or other nominee if you are permitted to vote over the Internet or by telephone.

*By Mail.* You will receive instructions from your broker or other nominee explaining how to vote your shares.

*In Person at the Meeting.* Contact the bank, broker or other nominee that holds your shares to obtain a broker's proxy card and bring it with you to the meeting. **A broker's proxy is *not* the form of proxy enclosed with this proxy statement/prospectus. You will not be able to vote shares you hold in street name at the meeting unless you have a proxy from your broker issued in your name giving you the right to vote the shares.**

All properly executed proxies that are not revoked will be voted at the special meeting and at any adjournments or postponements of the special meeting in accordance with the instructions contained in the proxy. If a holder of Replidyne common stock executes and returns a proxy and does not specify otherwise, the shares represented by that proxy will be voted **FOR** each Replidyne Proposal set forth at the special meeting.

Any Replidyne stockholder of record voting by proxy, other than those stockholders who have executed a voting agreement and irrevocable proxy, has the right to revoke the proxy at any time before the polls close at the

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special meeting by sending a written notice stating that it would like to revoke its proxy to the Secretary of Replidyne, by voting again over the Internet or by telephone, by providing a duly executed proxy card bearing a later date than the proxy being revoked or by attending the special meeting and voting in person. Attendance alone at the special meeting will not revoke a proxy. A beneficial owner of Replidyne common stock that holds shares in street name must follow directions received from the bank, broker or other nominee that holds the shares to change its voting instructions.

## **Quorum and Required Vote**

The presence, in person or by proxy, at the special meeting of the holders of a majority of the shares of Replidyne common stock outstanding and entitled to vote at the special meeting is necessary to constitute a quorum at the meeting. If Replidyne stockholders do not vote by proxy or in person at the special meeting, the shares of common stock of such stockholders will not be counted as present for the purpose of determining a quorum. Abstentions and broker non-votes will be counted towards a quorum.

The affirmative vote of the holders of a majority of the shares of Replidyne common stock casting votes in person or by proxy at the Replidyne special meeting is required for approval of Replidyne Proposal Nos. 1, 5, 6 and 7. The affirmative vote of holders of a majority of the issued and outstanding shares of Replidyne common stock having voting power on the record date for the special meeting is required for approval of Replidyne Proposal Nos. 2, 3 and 4.

For Replidyne Proposal Nos. 1, 5, 6 and 7, a failure to submit a proxy card or vote at the special meeting, or an abstention, vote withheld or broker non-votes will have no effect on the outcome of such proposals. For Replidyne Proposal Nos. 2, 3 and 4, a failure to vote by proxy or in person at the special meeting, or an abstention, vote withheld or broker non-vote for such proposal, will have the same effect as a vote against the approval Replidyne Proposal Nos. 2, 3 and 4.

In order to induce CSI to enter into the merger agreement, several Replidyne stockholders, who together with their respective affiliates, beneficially own approximately 48% of the outstanding common stock of Replidyne, entered into voting agreements and irrevocable proxies in favor of CSI pursuant to which, among other things, each of these stockholders agreed, solely in his capacity as a stockholder, to vote shares representing approximately 32% of the outstanding common stock of Replidyne in favor of the issuance of the shares of Replidyne common stock pursuant to the merger and the other actions contemplated by the merger agreement.

## **Solicitation of Proxies**

In addition to solicitation by mail, the directors, officers, employees and agents of Replidyne may solicit proxies from Replidyne stockholders by telephone, other electronic means or in person. Directors, officers, employees and agents of Replidyne will not receive any additional compensation for their services, but Replidyne will reimburse them for their out-of-pocket expenses. Replidyne also will make arrangements with banks, brokers, nominees, custodians and fiduciaries who are record holders of Replidyne common stock for the forwarding of solicitation materials to the beneficial owners of Replidyne common stock. Replidyne will reimburse these banks, brokers, nominees, custodians and fiduciaries for the reasonable out-of-pocket expenses they incur in connection with the forwarding of solicitation materials and in obtaining voting instructions from these owners.

Replidyne has retained D. F. King & Co., Inc., a proxy solicitation firm, to assist in the solicitation of proxies by mail, telephone or other electronic means or in person for a fee of \$15,000, plus an additional fee of \$4.50 per incoming and outgoing telephone contact.



**Other Matters**

As of the date of this proxy statement/prospectus, the Replidyne board of directors does not know of any business to be presented at the Replidyne special meeting other than as set forth in the notice accompanying this proxy statement/prospectus. If any other matters should come before the special meeting, it is intended that the shares represented by proxies will be voted with respect to such matters in accordance with the judgment of the persons voting the proxies.

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**REPLIDYNE PROPOSAL NO. 1**

**APPROVAL OF ISSUANCE OF SHARES OF REPLIDYNE COMMON STOCK IN THE MERGER**

**General Description of the Merger**

Replidyne, CSI, and Responder Merger Sub, Inc., a Minnesota corporation and wholly owned subsidiary of Replidyne, have entered into an Agreement and Plan of Merger dated as of November 3, 2008, which is referred to in this proxy statement/prospectus as the merger agreement, that contains the terms and conditions of the proposed business combination of Replidyne and CSI. Pursuant to the merger agreement, on the terms and conditions set forth therein, Responder Merger Sub, Inc. will be merged with and into CSI, with CSI surviving the merger as a wholly owned subsidiary of Replidyne.

**Background of the Merger**

***Historical Background for CSI***

CSI has periodically considered opportunities for strategic transactions and has from time to time engaged in preliminary discussions and negotiations with other companies regarding these types of transactions.

In the fall of 2007, at the direction of CSI's board of directors, the management team of CSI began meeting with representatives of Morgan Stanley & Co. Incorporated, Citigroup Global Markets, Inc. and William Blair & Company, L.L.C., as lead underwriters, to prepare for an initial public offering of CSI common stock. Following an organizational meeting on October 29, 2007, representatives of CSI, the underwriters and their respective legal counsel began the process of conducting due diligence reviews of CSI's affairs and drafting a registration statement to be filed with the Securities and Exchange Commission, or SEC. CSI filed the registration statement with the SEC on January 22, 2008. CSI filed amendments to the registration statement in response to SEC comments on March 20, 2008, April 18, 2008, May 9, 2008 and May 23, 2008, resolving substantially all of the SEC's comments. Due to a deterioration in U.S. economic conditions during the spring of 2008, CSI and its underwriters elected not to begin a road show for the proposed initial public offering in May or June 2008 and decided to monitor market conditions with the hope that markets might be receptive to CSI's initial public offering after Labor Day.

At the July 22, 2008 meeting of CSI's board of directors, the board discussed its financing plans in the event the initial public offering was further delayed and approved a \$13.5 million debt financing facility with Silicon Valley Bank.

On August 15, 2008, CSI filed another amendment to its registration statement to update the financial information to include results for the fiscal year ended June 30, 2008.

***Historical Background for Replidyne***

In February 2006, Replidyne entered into a collaboration and commercialization agreement with Forest Laboratories to be its exclusive partner for the development and marketing of faropenem medoxomil, or faropenem, in the United States.

In October 2006, the U.S. Food and Drug Administration, or FDA, issued a non-approval letter with respect to Replidyne's new drug application for faropenem. In its letter, the FDA did not raise any safety concerns for faropenem, but indicated that for respiratory indications of acute bacterial sinusitis and acute exacerbations of chronic bronchitis,

superiority studies may be required, and for community-acquired pneumonia further microbiologic evaluation may be needed. Historically, the FDA had not required superiority design studies for the approval of antibiotics and all of Replidyne's trials were conducted using a non-inferiority design, which required these trials to demonstrate that a product candidate is not significantly less effective than an approved treatment. Faropenem was Replidyne's lead product candidate and the most advanced of its four pipeline programs.

On February 6, 2007, Replidyne announced that Forest Laboratories intended to terminate its collaboration and commercialization agreement with Replidyne at the end of the 90-day termination period set forth in the agreement.

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On May 9, 2007, Replidyne engaged Morgan Stanley to act as its exclusive financial advisor in connection with a possible partnership between Replidyne and one or more parties for licensing of faropenem or a merger or sale of or business combination involving Replidyne. Over the next several months, Morgan Stanley and Replidyne contacted 31 potential collaboration partners.

In July and August 2007, management presented to the interested parties an overview of faropenem and two pharmaceutical companies pursued follow-up commercial and technical diligence. On August 31, 2007, Replidyne received a non-binding term sheet from one interested party. By November 2007, the parties terminated discussions with Replidyne, citing development and regulatory risks as the major factors. One of these parties subsequently restarted discussions with Replidyne, but those discussions were again terminated in January 2008.

On December 6, 2007, the Replidyne board of directors met to discuss management's recommended restructuring plan. On December 10, 2007, Replidyne announced an operational restructuring to properly allocate resources. Headcount was reduced by approximately 35%, primarily in the administrative, clinical, regulatory, and commercial functions. Replidyne continued to advance its preclinical programs, including REP3123, its investigational antibacterial for the treatment of *C. difficile*-infections, and its DNA replication inhibition program. Replidyne suspended the development of topical antibiotic REP8839 after concluding that the additional investment required to optimize the formulation was too large relative to the niche market opportunity. Replidyne continued its placebo-controlled Phase III trial for faropenem in acute exacerbation of chronic bronchitis. Replidyne did not initiate enrollment in clinical trials for faropenem in acute bacterial sinusitis and community-acquired pneumonia, hoping to identify a partner to assist in financing and conducting the trials.

In January 2008, management made a presentation to another party that expressed interest in entering into a partnership to commercialize the faropenem program.

In January 2008, management assembled a list of potential companies on which Replidyne could focus its efforts in its strategic alternatives process. A special committee of the Replidyne board of directors reviewed this list and recommended that Replidyne expand its focus beyond companies that were focused on anti-infective products. Following this review by Replidyne management and this committee, Replidyne initiated a strategic alternatives process with a total of 72 biotechnology and pharmaceutical companies screened by Morgan Stanley and Replidyne over the next several months.

Discussions and due diligence regarding a potential partnership to commercialize faropenem continued into February 2008.

On March 6, 2008, the Replidyne board of directors met to discuss the faropenem commercialization process as well as the strategic alternatives process. Background materials on a potential partner for faropenem were presented and the timing and process for decision-making were discussed. The board reviewed the potential strategic alternatives and discussed decision criteria for potential merger partners, including correlation or diversification of technology and regulatory risk, cash burn rate and stage of development. The board also discussed the general state of the initial public offering environment and implications for potential counterparties and precedent transactions, as well as potential target companies, their motivation to pursue a transaction and the due diligence process.

In March 2008, a potential partner for faropenem completed its own restructuring, which caused delays in its ability to continue discussions.

From March through June 2008, Replidyne management continued its regular meetings to review and evaluate, with the assistance of representatives of Morgan Stanley, candidates for a strategic transaction. If a company met Replidyne's criteria and metrics, one or more members of Replidyne's management would meet directly with a

potential strategic partner's management team.

On April 17, 2008, the Replidyne board of directors met to discuss the strategic alternatives process, faropenem program updates and the potential sale of the REP3123 and DNA replication inhibitor programs. The board of directors directed management to identify potential strategic buyers who might be interested in purchasing these assets and venture funds that might be interested in financing a spin-out of these assets.

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On April 23, 2008, Replidyne discontinued enrollment in a placebo-controlled Phase III clinical trial testing faropenem in patients with acute exacerbation of chronic bronchitis. Replidyne took this action to conserve its cash assets and support initiatives that included pursuing strategic transactions and maintaining its research programs. Following delays in discussions with potential partners, the final discussions in the faropenem process occurred in April 2008.

In May 2008, process letters were sent to 10 potential merger partners, requesting term sheets for a merger transaction.

In early June 2008, five term sheets were received for a potential merger transaction. On June 5, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss the companies that had submitted a response, including terms submitted and a valuation analysis. The board discussed with representatives of Morgan Stanley present the stage of development of the lead compounds for each potential merger partner, market potential, the probability of success, management teams, downside risk and potential upsides for each potential transaction. The board of directors also discussed with representatives of Morgan Stanley present the advantages and disadvantages to expanding the process to include other potential merger partners, including technology areas other than biotechnology.

Replidyne received another term sheet from a potential merger partner in June 2008. Under the direction of Replidyne's board of directors, management conducted discussions with two parties. Management continued to conduct due diligence and engaged experts to assist in evaluating the potential candidates.

On June 20, 2008, one potential merger party, referred to as Party A, agreed to the financial terms proposed by Replidyne. Replidyne entered into merger agreement negotiations with that party.

On June 23, 2008, Replidyne terminated its license agreement with Asubio Pharma Co., Ltd. for faropenem and terminated its supply agreement with Asubio Pharma Co., Ltd. and Nippon Soda Co. Ltd. for production of faropenem.

On July 17, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to review the status of discussions with two potential merger partners including recent FDA activity with respect to one of the companies, as well as status and expected timeline of the partnership discussions. Management updated the board that legal diligence and review of the initial draft of merger agreement was underway.

Replidyne's discussion with Party A ended after continued diligence and merger agreement negotiation when a major milestone was not achieved by Party A.

In August 2008, discussions with the other potential merger party, referred to as Party B, continued. Replidyne continued to negotiate financial terms and merger agreement provisions with Party B.

In August 2008, the Replidyne board of directors directed management to review companies in the medical technology industry. A total of 61 medical technology companies were screened by Morgan Stanley and Replidyne over the subsequent months.

On August 8, 2008, the Replidyne board of directors met to discuss strategic alternatives. Representatives of Morgan Stanley presented several medical technology companies. Under direction of the board of directors, Replidyne's management and representatives of Morgan Stanley proceeded to contact several medical technology potential merger partners.

Over the next several weeks, Replidyne management, with the assistance of representatives of Morgan Stanley, proceeded to contact candidates for a strategic transaction. In August 2008, process letters were sent to five potential merger partners (excluding CSI), requesting term sheets for a merger transaction.

In August and September 2008, Replidyne received proposals from five interested parties, including Party B. Replidyne continued to conduct due diligence on the potential merger partners and made the parties aware that Replidyne would respond to the proposals after the Replidyne board of directors was able to review the bids.

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***Background of Transaction Between Replidyne and CSI***

On August 22, 2008, representatives of Morgan Stanley contacted CSI to introduce the idea of a merger with Replidyne and inquired whether CSI would consider the opportunity to present to the management of Replidyne.

On August 27, 2008, Replidyne announced a restructuring of its operations that would reduce its current employee headcount by approximately 80% to six employees during September 2008 and October 2008. Replidyne suspended further development activities of REP3123 and novel anti-infective compounds based on its DNA replication inhibition technology.

On August 29, 2008, CSI management presented to the management of Replidyne an overview of CSI and both parties discussed the potential for a merger transaction. David Martin, CSI's president and chief executive officer, described CSI's business, including the growth in revenues achieved since the introduction of its product.

On September 2, 2008, Replidyne and CSI signed a confidentiality agreement and began exchanging confidential information about each other's business.

During August and September 2008, Replidyne continued parallel discussions with CSI and five other companies identified by Replidyne management and the board of directors for final stage evaluation regarding a potential business combination. Replidyne management engaged experts and conducted on-site visits and numerous teleconference calls with the interested parties.

On September 8, 2008, CSI filed an additional amendment to its registration statement to address additional comments from the SEC.

On September 10, 2008, Replidyne management met with CSI to discuss CSI and a potential merger between the two companies. Also on September 10, 2008, the pricing committee of CSI's board of directors met by telephone conference call with representatives of CSI's underwriters to discuss prospects for launching CSI's initial public offering. Representatives of the underwriters reported that they could not recommend proceeding with the initial public offering at that time, but suggested that an offering remained possible in the coming weeks if market conditions improved.

On September 11, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss the status of the strategic alternatives process and to review the bids received. The board also discussed with representatives of Morgan Stanley present Party B and the possibility of continuing discussions with this party. The board also discussed with representatives of Morgan Stanley present the timeline that would be associated with effecting a cash distribution. The board decided to proceed with four parties, including Party B and CSI.

On September 17, 2008, Replidyne sent three parties counterproposals to the term sheets that these parties had presented to Replidyne.

On September 18, 2008, Replidyne sent CSI a written proposal and a draft merger agreement for a transaction between the two companies whereby CSI stockholders would achieve fully diluted ownership of 83% of the combined company, based on Replidyne net assets of \$40 million at closing.

On September 19, 2008, CSI's pricing committee met by telephone conference call with representatives of CSI's underwriters. The representatives of CSI's underwriters reported that markets had deteriorated further since the preceding week, with continuing uncertainty and volatility. The representatives of the underwriters recommended



waiting for several weeks to see how market conditions would develop. Mr. Martin reported to the pricing committee that he had received the preceding evening the proposal from Replidyne together with the draft merger agreement. The pricing committee encouraged Mr. Martin to continue discussions with Replidyne in view of the uncertainty regarding the initial public offering.

In late September 2008, one interested party, referred to as Party C, agreed to the terms proposed by Replidyne and Replidyne sent the party a proposed merger agreement. Two parties, including Party B, decided not to proceed with Replidyne based on Replidyne's requests, but remained open to continued dialogue. Replidyne management continued to conduct due diligence and discuss merger agreement terms with Party C.

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On or about September 23, 2008, Replidyne began providing CSI and its legal counsel, Fredrikson & Byron, P.A., with access to a secure website containing due diligence documents relating to Replidyne.

On September 24, 2008, Replidyne sent CSI a letter inviting CSI to respond to the non-binding proposal Replidyne sent on September 18, 2008 by September 26, 2008.

On September 26, 2008, the CSI pricing committee met again by telephone conference call with representatives of CSI's underwriters to discuss the market conditions for the proposed initial public offering. Representatives of the underwriters reported that conditions had only worsened since the last meeting of the pricing committee, including significant declines in the Dow Jones and Nasdaq indexes and the highest levels of volatility seen since 2003. They explained that prospects for an initial public offering during the rest of the year were uncertain. CSI's board of directors also met by telephone conference call on September 26, 2008 to discuss the proposal from Replidyne and CSI's response. CSI's board authorized a counterproposal to Replidyne whereby CSI would issue 15% of its common stock to Replidyne in exchange for \$40 million and Replidyne would thereafter dissolve and distribute the common stock to its stockholders. This proposal was communicated to Replidyne by a letter dated September 26, 2008.

On September 27, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss in greater detail Party C and CSI. The board also discussed with representatives of Morgan Stanley present the status of the negotiations, financial and other diligence review and discussions with Party C. Under the direction of the board, Replidyne management responded to CSI's September 26, 2008 letter restating the September 18, 2008 financial terms and merger structure.

On September 30, 2008, CSI responded to Replidyne's letter agreeing with the reverse merger structure proposed by Replidyne and proposing a transaction whereby CSI stockholders would achieve fully diluted ownership of 84% of the combined company, based on Replidyne net assets of \$40 million at closing.

In response to the Replidyne proposal's requirement that all CSI preferred stock convert to common stock prior to the merger, which may not otherwise have occurred automatically as a result of the merger, representatives of CSI's preferred stockholders proposed that CSI issue to the preferred stockholders five-year warrants to purchase 3,500,000 shares of CSI common stock, exercisable at a price of \$5.71 per share, as consideration for the conversion of the preferred stock and the loss of various rights and preferences resulting from the conversion. Upon the advice of Fredrikson & Byron, CSI's board formed a special committee consisting of those directors not holding any preferred stock of CSI to consider this proposal. The special committee was formed by written action of CSI's board of directors as of October 2, 2008.

On or about October 2, 2008, CSI began providing Replidyne and its legal counsel, Cooley Godward Kronish LLP, with access to a secure website containing due diligence documents relating to CSI.

Beginning on October 3, 2008, Replidyne and CSI management, their respective counsel and representatives of Morgan Stanley met several times via teleconference to discuss due diligence items and the terms of the merger agreement.

On October 3, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss the two potential merger partners (Party C and CSI). Replidyne's management reviewed diligence efforts with the board and the status of valuation discussions. Replidyne's management discussed with the board the perceived risks and certainty of closing with respect to the two candidates. Following the board of directors meeting, Replidyne responded to CSI's letter proposing a transaction whereby CSI stockholders would achieve fully diluted ownership of 83% of the combined company, based on Replidyne net assets of \$40 million at closing.

On October 6, 2008, the CSI special committee met to discuss the proposal from CSI's preferred stockholders and authorize the issuance of the warrants as proposed in connection with a proposed transaction with Replidyne.

Later on October 6, 2008, CSI's board of directors met and authorized management of CSI to continue negotiating a merger transaction with Replidyne on terms that would result in Replidyne stockholders owning 17% of the post-merger company, assuming Replidyne's net assets were \$40 million prior to the merger. Based upon the recommendation of the special committee, the board of directors also authorized the issuance of the warrants as

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consideration for the conversion of the preferred stock in connection with the closing of the merger, should the merger proceed and be consummated. Replidyne decided to proceed with CSI and alerted Party C.

On October 7, 2008, Replidyne and CSI entered into a mutual exclusivity agreement. Over the next several weeks, Replidyne and CSI conducted due diligence on each other.

On October 8, 2008, at the direction of CSI, Fredrikson & Byron distributed comments to the draft merger agreement to Cooley. The parties exchanged several drafts of the merger agreement, the attachments thereto, including the disclosure schedules, and other ancillary documents until the execution of the merger agreement.

In connection with the ongoing negotiation of the merger agreement and related documents and agreements, including discussions relating to voting agreements, Fredrikson & Byron advised CSI's board of directors to form a committee pursuant to Section 302A.673 of the Minnesota Business Corporation Act, which prohibits certain business combinations involving a Minnesota corporation unless a properly-formed committee provides certain approvals before the business combination. In response to this recommendation, CSI's board of directors formed another special committee consisting of all non-management directors for this purpose by written action dated October 14, 2008.

On October 16, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss the status of the due diligence and merger agreement discussion with CSI, and received an update on recent developments in the market from representatives of Morgan Stanley.

At a regularly scheduled board meeting on October 21, 2008, CSI's special committee and board of directors discussed with Fredrikson & Byron the terms of the merger agreement with Replidyne as negotiated to that date and the unresolved issues remaining in the negotiations. Among other things, the special committee and board discussed in-depth the mechanism for adjustment of the number of shares to be issued to the parties based on the net assets of Replidyne available on the date of closing, the termination provisions and termination fees provided in the merger agreement and the governance of the post-merger company, including Replidyne's request that two Replidyne directors be added to the combined company board.

On October 22, 2008, Replidyne management and a board member conducted on-site diligence at CSI's offices.

On October 24, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss the results of the continued diligence review, the status of the merger agreement and the proposed timing for the transaction. The board also received an update on recent developments in the market from representatives of Morgan Stanley. The board also approved management's recommendation that the exclusivity period be extended. The board reviewed with representatives of Morgan Stanley present certain key provisions of the merger agreement, including among other things, matters related to voting agreements, lock-ups, termination fees and termination rights.

On October 24, 2008, CSI management began consulting with representatives of Citi on the financial aspects of the merger.

On October 25, 2008, the Replidyne board of directors received a letter from a potential merger partner with which Replidyne had previously discussed a merger proposing new financial terms.

On October 27, 2008, Replidyne sent CSI a letter outlining certain merger agreement provisions including lock-up agreements, voting agreements, termination fees, interim financing by CSI and board of directors nominations. Replidyne also suggested that Replidyne pro forma ownership be adjusted based on Replidyne net assets above or below a collar, rather than an adjustment for any change in net assets.

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On the morning of October 28, 2008, CSI's special committee and board of directors met by telephone conference call to discuss with Fredrikson & Byron the current status of the proposed merger agreement with Replidyne and the open issues remaining to be resolved.

On October 28, 2008, CSI filed a Form 10 with the SEC to register its common stock under Section 12(g) of the Securities Exchange Act of 1934, due to CSI exceeding 500 record holders of its common stock as of June 30, 2008.

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On October 29, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present to discuss the recent updates on the merger agreement provisions and continued to discuss certain provisions of the merger agreement after the meeting. Representatives of Morgan Stanley also provided an update on recent developments in the markets.

On October 31, 2008, the special committee and board of directors of CSI held a meeting by telephone conference call to discuss the proposed merger with Replidyne. Prior to the meeting, the CSI special committee and board received copies of the merger agreement and related documents. CSI management, together with Fredrikson & Byron, summarized the status of the open and resolved issues in the merger agreement and answered questions posed by members of the special committee and board. Following the discussion, CSI's special committee and board each unanimously approved the proposed merger with Replidyne and the merger agreement, the voting agreements and all other agreements related to the merger in substantially the form presented to the CSI board, with such changes as CSI management deemed necessary or advisable.

On November 3, 2008, the Replidyne board of directors met with representatives of Morgan Stanley present and reviewed the proposed transaction with CSI. Replidyne's legal counsel described the terms of the merger agreement. At the meeting, Morgan Stanley rendered its oral opinion to the board of directors, subsequently confirmed in writing, that, as of the date of and based upon and subject to the various assumptions, qualifications and limitations set forth in the opinion, the conversion factor pursuant to the merger agreement was fair from a financial point of view to Replidyne. After discussion, the board of directors of Replidyne approved the merger agreement and the transaction with CSI, subject to certain revisions to the merger agreement specified by the board.

Later on November 3, 2008, Replidyne and CSI executed the merger agreement, certain Replidyne directors, officers and stockholders executed voting agreements with CSI, certain CSI directors, officers and stockholders executed voting agreements with Replidyne, and certain Replidyne and CSI security holders executed lock-up agreements for the benefit of Replidyne and CSI.

On the morning of Tuesday, November 4, 2008, the parties issued a joint press release announcing the execution of the merger agreement. In addition, on November 4, 2008 at 8:30 a.m. Eastern Time, Replidyne and CSI held a joint conference call to discuss the planned merger and a business overview. That same morning, CSI withdrew the registration statement for its initial public offering.

## **Reasons for the Merger**

### ***Replidyne Reasons for the Merger***

In evaluating the merger, Replidyne's board of directors consulted with senior management and Replidyne's legal and financial advisors. In the course of reaching its determination to approve the merger agreement and the transactions contemplated by the merger agreement, Replidyne's board of directors considered a number of factors, including the following:

The Replidyne board believed that a merger with CSI was the most attractive transaction among the strategic alternatives Replidyne had reviewed. Replidyne's board of directors had considered numerous other potential transactions, had reviewed more than 130 candidate companies from within the biotechnology, pharmaceutical and medical technology sectors and had considered the liquidation of the company and the restructuring of its commercial and administrative operations to continue development of REP3123, its product candidate for the treatment of CDI, and its novel DNA replication inhibition program, together referred to as Replidyne's research pipeline programs.

Replidyne noted that CSI's Diamondback 360° Orbital Atherectomy System had received FDA clearance and has features that differentiate it in the market from other FDA approved or cleared minimally invasive atherectomy devices, including those features described under the caption Information Regarding CSI's Business CSI's Solution. CSI's revenues in the four fiscal quarters since the launch of the product and the high reorder rate among its initial customers demonstrate CSI's ability to retain its customer base.

Replidyne believes that CSI's other cash resources, together with Replidyne's projected available cash at closing, will be sufficient to fund CSI's currently projected operating requirements for the foreseeable

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future, assuming that delays in CSI's business plan or other unforeseen events do not substantially reduce the amount of cash available from operations.

Replidyne believes that use of the Diamondback 360° for Peripheral Arterial Disease, or PAD, represents a significant untapped market opportunity.

CSI plans to launch additional products to treat lesions in larger vessels, including superficial femoral arteries of up to 7mm in diameter, and to seek pre-market approval from the FDA to use the Diamondback 360° to treat patients with coronary artery disease. Replidyne's board believes that these market opportunities represent potential future growth opportunities for investors.

CSI's management team has a background in developing and marketing PAD devices and has demonstrated the ability to successfully execute its growth strategy.

The Centers for Medicare and Medicaid Services has established reimbursement codes describing atherectomy products and procedures using atherectomy products, and many private insurers follow these policies. CSI believes that physicians and hospitals that treat PAD with the Diamondback 360° will generally be eligible to receive adequate reimbursement from Medicare and private insurers for the cost of the single-use catheter and the physician's services.

CSI's atherectomy device may be complementary to products that are currently sold by larger medical device companies such as stents, drug coated stents and angioplasty balloons. Replidyne's board of directors believes that CSI may be an attractive candidate for an acquisition by a larger medical device company, which could provide an opportunity for returns to Replidyne stockholders, particularly if future revenue growth is achieved by CSI.

CSI had already filed a registration statement on Form S-1 with the SEC and had substantially completed the SEC's review process in connection with its proposed initial public offering. CSI has also subsequently filed a registration statement on Form 10 with the SEC. This allowed the transaction timetable to be accelerated.

In addition to the specific factors concerning CSI outlined above, the Replidyne board of directors considered the following factors in reaching its conclusion to approve the merger and to recommend that the Replidyne stockholders approve the issuance of shares of Replidyne common stock in the merger, all of which it reviewed as supporting its decision to approve the business combination with CSI.

Replidyne's net cash position and its public listing enabled Replidyne to provide access to capital that otherwise may not have been available to CSI or that would be available to CSI only at less favorable valuation levels, which allowed Replidyne to obtain favorable terms.

Due to the recent volatility of the public markets, companies such as CSI were unable to complete an initial public offering. These conditions made a merger more attractive to CSI and allowed Replidyne to obtain favorable terms.

Faropenem did not receive approval from the FDA for its new drug application. This resulted in loss of current value for Replidyne stockholders and diminished the prospects for the creation of future value for Replidyne stockholders through the operation of its ongoing business.

Replidyne's research pipeline programs were determined to be too early in their stage of development to sustain the operations of a public company on a stand-alone basis, and Replidyne expected to incur significant losses



and require substantial additional capital to complete these development programs, and seek regulatory approval, none of which could be assured.

The liquidation of Replidyne likely would not have produced the maximum potential value for Replidyne stockholders. The process of completing a liquidation of Replidyne under applicable law may also have resulted in delays in returning funds to Replidyne stockholders.

The Replidyne board of directors considered the financial analyses of Morgan Stanley, including its written opinion to the board of directors dated November 3, 2008 that, as of that date, and based upon and subject to the various assumptions, qualifications and limitations set forth in the opinion, the conversion factor

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pursuant to the merger agreement was fair from a financial point of view to Replidyne, as more fully described below under the caption "The Merger" Opinion of Replidyne's Financial Advisor.

Replidyne stockholders holding approximately 48% of Replidyne's outstanding common stock have entered into voting agreements whereby they have agreed to vote approximately 32% of the outstanding shares of Replidyne in favor of the issuance of the shares of Replidyne common stock pursuant to the merger and the other transactions contemplated by the merger agreement. Certain CSI stockholders have entered into voting agreements whereby they have agreed to vote approximately 20% of the outstanding shares of CSI in favor of the merger and the other transactions contemplated by the merger agreement.

The Replidyne board of directors believes that the merger has a high likelihood of being consummated on a timely basis, including the likelihood that the merger will receive all necessary approvals.

The Replidyne board of directors also considered the terms and conditions of the merger agreement, including the following factors:

financial terms negotiated under the merger agreement;

the expectation that the merger will be treated as a reorganization for U.S. federal income tax purposes, with the result that in the merger, the Replidyne stockholders will generally not recognize taxable gain or loss for U.S. federal income tax purposes;

the limited number and nature of the conditions to CSI's obligation to consummate the merger and the limited risk of non-satisfaction of such conditions;

Replidyne's right under the merger agreement to consider certain unsolicited acquisition proposals under certain circumstances should Replidyne receive a superior proposal;

the conclusion of the Replidyne board of directors that the potential termination fee of \$1.5 million plus certain transaction related expenses, which would become payable upon the termination of the merger agreement in certain circumstances, was reasonable;

the constraint on CSI's ability to secure debt or equity financing or to issue debt or equity securities prior to closing without the consent of Replidyne;

the provisions limiting the ability of CSI to solicit, initiate or knowingly encourage any other acquisition proposal; and

the belief that the terms of the merger agreement, including the parties' representations, warranties and covenants, and the conditions to their respective obligations, are reasonable under the circumstances.

In the course of its deliberations, the Replidyne board of directors also considered a variety of risks and other countervailing factors related to entering into the merger agreement, including:

the potential effect of the termination fee that would be payable to CSI upon the termination of the merger agreement in certain circumstances in deterring other potential acquirers from proposing an alternative transaction that may be more advantageous to Replidyne stockholders;

the substantial expenses to be incurred in connection with the merger;

the possible volatility, at least in the short term, of the trading price of the Replidyne common stock resulting from the announcement of the merger;

the risk that the merger might not be consummated in a timely manner or at all and the potential adverse effect of the public announcement of the merger or of the delay or failure to complete the merger with CSI on the reputation of Replidyne;

the risk to the liquidation value of Replidyne in the event that the merger is not consummated; and

various other risks associated with the combined company and the merger, including those described in the section entitled "Risk Factors" in this proxy statement/prospectus.

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The foregoing information and factors considered by the Replidyne board of directors are not intended to be exhaustive but are believed to include all of the material factors considered by the Replidyne board of directors. In view of the wide variety of factors considered in connection with its evaluation of the merger and the complexity of these matters, the Replidyne board of directors did not find it useful, and did not attempt, to quantify, rank or otherwise assign relative weights to these factors. In considering the factors described above, individual members of the Replidyne board of directors may have given different weight to different factors. The Replidyne board of directors conducted an overall analysis of the factors described above, including thorough discussions with, and questioning of, the Replidyne management and the Replidyne legal and financial advisors, and considered the factors overall to be favorable to, and to support, its determination.

***CSI Reasons for the Merger***

In the course of their deliberations, CSI's special committee and board of directors reviewed CSI's historical, present and projected financials, CSI's historical and long-term strategic objectives, the opportunities that CSI is pursuing and the risks associated therewith, and general economic and market conditions.

In evaluating the merger, CSI's special committee and board of directors consulted with CSI's management and legal and financial advisors, and in the course of reaching their determinations to approve the merger, the merger agreement and the other transactions contemplated by the merger agreement, CSI's special committee and board of directors considered various factors supporting those determinations, including, without limitation, the following:

CSI believes that Replidyne's projected available cash at closing, together with CSI's other cash resources, will be sufficient to fund CSI's currently projected operating requirements for the foreseeable future;

the expectation that the merger would be a more time- and cost-effective means to access capital than other options considered, including an initial public offering or an additional round of private equity financing, given the state of the markets for initial public offerings and private equity financings and the anticipated delays and complications associated therewith;

the familiarity of the special committee and board of directors with the business, operations, financial condition and prospects of CSI and general industry, economic and market conditions, including the inherent risks and uncertainties in CSI's business, in each case on a historical, current and prospective basis;

the view that the range of options available to the combined company to access private and public equity markets should additional capital be needed in the future will likely be greater following the merger than if CSI did not complete the merger;

the judgment of the special committee and board of directors that the merger is the best available alternative to CSI and its stockholders;

the terms and conditions of the merger agreement, including, without limitation, the following:

the determination that the expected relative percentage ownership of Replidyne securityholders and CSI securityholders in the combined company is appropriate and reasonable based on the approximate valuations of each company in the judgment of the CSI special committee and board of directors;

that the terms of the merger agreement are reasonable, including the parties' representations, warranties and covenants and the conditions to the parties' respective obligations;

the expectation that the merger will be treated as a reorganization for U.S. federal income tax purposes, with the result that in the merger CSI stockholders will generally not recognize taxable gain or loss for U.S. federal income tax purposes;

the rights of CSI under the merger agreement to consider certain unsolicited acquisition proposals under certain circumstances should CSI receive a superior proposal;

the fact that the merger agreement must be submitted to CSI stockholders for approval, which allows for an informed vote of the stockholders on the merits of the transaction, and the fact that dissenters' rights

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would be available to CSI stockholders who do not vote in favor of the merger under the Minnesota Business Corporation Act;

the fact that all of the officers and eight of the directors of CSI will serve as the management of Replidyne following the closing; and

the conclusion of the special committee and board of directors of CSI that the potential termination fee of up to \$1.5 million, plus the reimbursement of certain transaction expenses incurred by CSI in connection with the merger, payable by Replidyne to CSI and the circumstances under which such fee may be payable, were reasonable;

the fact that shares of Replidyne common stock to be issued to CSI stockholders will be registered on a Form S-4 registration statement by Replidyne and will become freely tradable for CSI stockholders who are not affiliates of CSI and who are not parties to lock-up agreements; and

the likelihood that the merger will be consummated on a timely basis.

In the course of its deliberations, the CSI special committee and board of directors also considered a variety of risks and other countervailing factors related to entering into the merger agreement, including, without limitation, the following:

the possibility that the merger might not be completed and the potential adverse effect of the public announcement of the merger or of the delay or failure to complete the merger on the reputation of CSI and the ability of CSI to obtain financing in the future in the event the merger is not completed;

the termination fee of up to \$1.5 million, plus the reimbursement of certain transaction expenses incurred by Replidyne in connection with the merger, payable by CSI to Replidyne upon the occurrence of certain events, and the potential effect of such termination fee on CSI's ability to carry out its operating plan and in deterring other potential acquirers from proposing an alternative transaction that may be more advantageous to CSI stockholders;

the risk of diverting management's attention from other strategic priorities to implement the merger and integrate each company's operations and infrastructure following the merger;

the risk that the merger might not be consummated in a timely manner or at all;

the customary restrictions on the conduct of CSI's business prior to the completion of the merger, requiring CSI to conduct its business in all material respects only in the ordinary course, subject to specified limitations, which may delay or prevent CSI from undertaking business opportunities that may arise pending completion of the merger;

the requirement that CSI terminate its efforts to conduct an initial public offering and cease any other material financing activities and the resulting dependence of CSI on completing the merger to provide the financing to execute its business plan;

the expenses to be incurred in connection with, and liabilities of Replidyne to be assumed following, the merger and related administrative challenges associated with combining the companies; and

various other risks associated with the combined company and the merger, including the risks described in the section entitled Risk Factors in this proxy statement/prospectus.

The foregoing information and factors considered by the CSI special committee and board of directors are not intended to be exhaustive but set forth the principal factors considered by the CSI special committee and board of directors. In view of the wide variety of factors considered in connection with its evaluation of the merger and the complexity of these matters, the CSI special committee and board of directors did not find it useful, and did not attempt, to quantify, rank or otherwise assign relative weights to these factors. In considering the factors described above, individual members of the CSI special committee and board of directors may have given different weight to different factors. The CSI special committee and board of directors conducted an overall analysis of the factors described above, including thorough discussions with, and questioning of, CSI management and legal advisors, and considered the factors overall to be favorable to, and to support, their determinations.

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**Opinion of Replidyne's Financial Advisor**

On May 9, 2007, Replidyne retained Morgan Stanley & Co. Incorporated, or Morgan Stanley, to act as its exclusive financial advisor and provide a financial opinion letter in connection with a possible merger or sale of or business combination involving Replidyne or a partnership between Replidyne and one or more parties for licensing of one or more products of Replidyne's lead product candidate, faropenem. Replidyne's board of directors selected Morgan Stanley to act as its exclusive financial advisor based on Morgan Stanley's qualifications, expertise and reputation and its familiarity with Replidyne. At a meeting of Replidyne's board of directors held on November 3, 2008, Morgan Stanley rendered its oral opinion, subsequently confirmed in writing, that, as of that date of and based upon and subject to the various assumptions, qualifications and limitations set forth in the opinion, the conversion factor pursuant to the merger agreement was fair from a financial point of view to Replidyne.

**The full text of Morgan Stanley's opinion, dated November 3, 2008, which sets forth, among other things, the assumptions made, procedures followed, matters considered and qualifications and limitations on the scope of the review undertaken by Morgan Stanley in rendering its opinion, is included as *Annex D* to this proxy statement/prospectus. The summary of Morgan Stanley's fairness opinion set forth in this proxy statement/prospectus is qualified in its entirety by reference to the full text of the opinion. Replidyne stockholders should read this opinion carefully and in its entirety. Morgan Stanley's opinion was directed to the board of directors of Replidyne and only addresses the fairness from a financial point of view of the conversion factor to Replidyne as of the date of the opinion. Morgan Stanley's opinion does not address any other aspect of the proposed merger. Morgan Stanley expressed no opinion or recommendation as to how the stockholders of Replidyne or CSI should vote at the stockholders' meetings to be held in connection with the merger.**

In connection with rendering its opinion, Morgan Stanley, among other things:

reviewed certain publicly available financial statements and other business and financial information of CSI and Replidyne, respectively;

reviewed certain internal financial statements and other financial and operating data, including certain financial projections, concerning Replidyne prepared by the management of Replidyne;

reviewed certain financial projections concerning CSI prepared by the management of CSI;

discussed the past and current operations and financial condition and the prospects of CSI with senior executives of CSI;

reviewed the reported prices and trading activity for Replidyne common stock;

compared the financial performance of CSI with that of certain other publicly traded companies comparable with CSI, and their securities;

reviewed the financial terms, to the extent publicly available, of certain comparable acquisition transactions;

participated in certain discussions and negotiations among representatives of CSI and Replidyne and their legal advisors;



reviewed the merger agreement in the form of a draft dated November 2, 2008, the CSI preferred stockholder conversion agreement in the form of a draft dated October 28, 2008 and certain related documents; and

performed such other analyses and considered such other factors as Morgan Stanley deemed appropriate.

In arriving at its opinion, Morgan Stanley assumed and relied upon, without independent verification, the accuracy and completeness of the information that was publicly available or supplied or otherwise made available to it by CSI and Replidyne for the purposes of its opinion. With respect to the financial projections prepared by the respective managements of Replidyne and CSI, Morgan Stanley assumed that they had been reasonably prepared on bases reflecting the best currently available estimates and judgments of the respective managements of CSI and Replidyne of the future financial performance of CSI and Replidyne. In addition, Morgan Stanley assumed that the merger will be consummated in accordance with the terms set forth in the merger agreement without any waiver, amendment or delay of any terms or conditions, including, among other things, that the merger will be treated as a

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tax-free reorganization pursuant to the Internal Revenue Code of 1986, as amended. Morgan Stanley assumed that, in connection with the receipt of all the necessary governmental, regulatory or other approvals and consents required for the merger, no delays, limitations, conditions or restrictions will be imposed that would have a material adverse effect on the contemplated benefits expected to be derived in the merger. Morgan Stanley relied upon, without independent verification, the assessment by the managements of Replidyne or CSI of:

their ability to retain key employees of CSI; and

the validity of, and risks associated with, CSI's existing and future technologies, intellectual property, products, services and business models.

Morgan Stanley is not a legal, tax or regulatory advisor. Morgan Stanley is a financial advisor only and has relied upon, without independent verification, the assessment of Replidyne and CSI and their legal, tax or regulatory advisors with respect to legal, tax and regulatory matters. Morgan Stanley's opinion only addresses the fairness from a financial point of view of the conversion factor to Replidyne as of the date of the opinion. Morgan Stanley expressed no opinion with respect to the fairness of the amount or nature of the compensation to any of CSI's officers, directors or employees, or any class of such persons, relative to the consideration to be paid to holders of the shares of CSI common stock in the transaction. Morgan Stanley did not make any independent valuation or appraisal of the assets or liabilities of CSI or Replidyne, nor was Morgan Stanley furnished with any such appraisals. Morgan Stanley's opinion did not address the relative merits of the merger as compared to any other alternative business transaction, or other alternatives, including without limitation, the potential liquidation of Replidyne, or whether or not such alternatives could be achieved or are available. Morgan Stanley's opinion was necessarily based on financial, economic, market and other conditions as in effect on, and the information made available to Morgan Stanley as of, November 3, 2008. Events occurring after November 3, 2008 may affect this opinion and the assumptions used in preparing it, and Morgan Stanley has not assumed any obligation to update, revise or reaffirm its opinion.

The opinion was for the information of Replidyne's board of directors in connection with the merger. In addition, Morgan Stanley's opinion did not in any manner address the prices at which Replidyne common stock will trade following consummation of the merger and expressed no opinion or recommendation as to how the stockholders of Replidyne or CSI should vote at the stockholders' meetings to be held in connection with the merger.

### ***Valuation Methods and Analyses***

The following is a summary of the material financial analyses performed by Morgan Stanley in connection with its oral opinion and the preparation of its written opinion letter dated November 3, 2008. The various analyses summarized below were based on closing prices for the common stock of Replidyne as of October 31, 2008, the last full trading day preceding the day of the special meeting of the Replidyne board of directors to consider and approve, adopt and authorize the merger agreement, the merger and the issuance of shares of Replidyne common stock to the stockholders of CSI. Although each analysis was provided to the Replidyne board of directors, in connection with arriving at its opinion, Morgan Stanley considered all of its analyses as a whole and did not attribute any particular weight to any analysis described below. Some of these summaries of financial analyses include information presented in tabular format. In order to fully understand the financial analyses used by Morgan Stanley, the tables must be read together with the text of each summary. The tables alone do not constitute a complete description of the financial analyses used by Morgan Stanley.

### ***Implied Value of the Equity of the Combined Company Based on Replidyne's Share Price***

Based on Replidyne's 27.280 million fully diluted shares outstanding and the share price of Replidyne common stock of \$1.12, both as of the close of market on October 31, 2008, and by dividing Replidyne's fully diluted equity value by

the 17% equity ownership percentage of the combined company held by Replidyne s equity holders, Morgan Stanley calculated an implied value of the equity of the combined company of \$180 million.

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*Implied Value of the Equity of the Combined Company Based on Replidyne's Net Assets*

Based on Replidyne's net assets at the closing of the merger of \$37 million to \$40 million, and by dividing Replidyne's net assets at the closing of the merger by the 17% equity ownership percentage of the combined company held by Replidyne's equity holders, Morgan Stanley calculated an implied value of the equity of the combined company in the range of \$218 million to \$235 million.

*Comparable Company Analysis*

Morgan Stanley performed a comparable company analysis, which attempts to provide a range of implied aggregate values for CSI's equity and the combined company's net cash at the closing of the merger, which is referred to as the implied pro forma equity value for CSI, by comparing it to similar companies. Morgan Stanley reviewed the market values and trading multiples of the following 10 publicly held companies in the cardiovascular medical device industry that Morgan Stanley deemed comparable to CSI, as well as the following five other publicly held growth companies in the medical technology industry:

**Cardiovascular Medical Device Industry Comparables**

Abiomed, Inc.

AngioDynamics Inc.

Edwards Lifesciences Corp.

ev3, Inc.

Hansen Medical, Inc.

Micrus Endovascular Corp.

The Spectranetics Corporation

Thoratec Corp.

VNUS Medical Technologies Inc.

Volcano Corp.

**Other Medical Technology Industry Comparables**

Conceptus, Inc.

Insulet Corporation

NuVasive, Inc.

Somanetics Corp.

TranS1, Inc.

All multiples were based on closing stock prices on October 31, 2008. Estimated financial data for the selected companies were based on public filings and publicly available equity research analysts' estimates, as aggregated by the Institutional Brokers' Estimate System. Estimated financial data for CSI were based on CSI management projections.

For each of the comparable companies, Morgan Stanley calculated the following:

Aggregate Value, which is defined as market value of common equity plus debt, less cash.

Aggregate Value/LQA Revenue, which is defined as the ratio of Aggregate Value to the annualized value of the last quarter's revenue.

Aggregate Value/LQA Gross Profit, which is defined as the ratio of Aggregate Value to the annualized value of the last quarter's gross profit.

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Aggregate Value/2008E Revenue, which is defined as the ratio of Aggregate Value to estimated revenue for calendar year 2008.

Aggregate Value/2009E Revenue, which is defined as the ratio of Aggregate Value to estimated revenue for calendar year 2009.

Aggregate Value/2010E Revenue, which is defined as the ratio of Aggregate Value to estimated revenue for calendar year 2010.

Based on the analysis of the relevant metrics for each of the comparable companies, Morgan Stanley selected representative ranges of financial multiples of the comparable companies and applied these ranges of multiples to the relevant CSI financial statistic. For purposes of estimated calendar years 2008, 2009 and 2010 CSI estimates, Morgan Stanley utilized CSI management projections. Based on the combined company's expected capitalization as a result of the merger, Morgan Stanley calculated the estimated implied pro forma equity value of CSI as of October 31, 2008 as follows:

<b>Financial Statistic</b>	<b>Comparable Company Representative Multiple Range</b>	<b>Implied Pro Forma Equity Value of CSI (\$ millions)</b>
Aggregate Value/LQA Revenue	3.6x-5.8x	\$ 201-\$307
Aggregate Value/LQA Gross Profit	4.8x-8.4x	\$ 183-\$298
Aggregate Value/2008E Revenue	3.8x-5.8x	\$ 189-\$273
Aggregate Value/2009E Revenue	1.4x-3.2x	\$ 163-\$332
Aggregate Value/2010E Revenue	1.2x-2.3x	\$ 249-\$449

Morgan Stanley noted that based on Replidyne's number of fully diluted shares outstanding and the share price of Replidyne common stock, both as of the close of market on October 31, 2008, the implied value of the equity of the combined company is \$180 million and based on Replidyne's net assets at the closing of the merger of \$37 million to \$40 million, the implied value of the equity of the combined company is in the range of \$218 million to \$235 million.

Although the foregoing companies were compared to CSI for purposes of this analysis, Morgan Stanley noted that no company used in the comparable company analysis is identical to CSI because of differences between the business mix, markets served, operations, and other characteristics of CSI and the comparable companies. In evaluating the comparable companies, Morgan Stanley relied on publicly available equity research analyst estimates, which estimates are based in part on judgments and assumptions with regard to industry performance, general business, economic, market and financial conditions, and other matters, many of which are beyond the control of CSI, such as the impact of competition on the business of CSI, as well as on the industry generally, industry growth, and the absence of any adverse material change in the financial condition and prospects of CSI or the industry or in the markets generally. Mathematical analysis, such as determining the average or median, is not in itself a meaningful method of using comparable company data.

*Analysis of Precedent Transactions*

Morgan Stanley performed a precedent transactions analysis, which is designed to imply a range of equity values of a company based on publicly available financial terms of selected transactions involving companies with some similarities to CSI. In connection with its analysis, Morgan Stanley compared publicly available statistics for six



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in which the target company was publicly traded and transaction values were between \$100 million and \$2.025 billion. The transactions, listed by month and year of announcement and target/acquirer, were:

<b>Date</b>	<b>Target/Acquirer</b>
9/25/08	Cryocath Technologies Inc./Medtronic, Inc.
9/16/08	Datascope Corp./Getinge AB
2/11/08	Possis Medical, Inc./MEDRAD Inc. (Bayer Healthcare)
7/23/07	Arrow International Inc./Teleflex Medical
7/22/07	FoxHollow Technologies, Inc./ev3, Inc.
4/30/07	Enpath Medical Inc./Greatbatch Inc.

For each transaction listed above, Morgan Stanley noted the following financial statistics where available:

the ratio of the aggregate value of the transaction to the annualized value of the last quarter's revenue; and

the ratio of the aggregate value of the transaction to the next 12 months' estimated revenue.

Based on the analysis of the relevant metrics for each transaction listed above, Morgan Stanley selected representative ranges of implied financial multiples of the transactions and applied these ranges of financial multiples to the relevant financial statistic for CSI. For purposes of estimated next 12 months' CSI estimates, Morgan Stanley utilized quarterly projections for the quarter ending December 31, 2008 and the following three quarters provided by CSI management. The following table summarizes Morgan Stanley's analysis:

<b>Precedent Transactions Financial Statistic</b>	<b>Representative Range</b>	<b>Implied Pro Forma Equity Value of CSI (\$ millions)</b>
Aggregate Value/LQA Revenue	2.7x-3.9x	\$ 159-\$218
Aggregate Value/FTM Revenue	3.0x-3.9x	\$ 250-\$318

Morgan Stanley noted that based on Replidyne's number of fully diluted shares outstanding and the share price of Replidyne common stock, both as of the close of market on October 31, 2008, the implied value of the equity of the combined company is \$180 million and based on Replidyne's net assets at the closing of the merger of \$37 million to \$40 million, the implied value of the equity of the combined company is in the range of \$218 million to \$235 million.

No company or transaction utilized in the precedent transactions analysis is identical to CSI or the merger. In evaluating the precedent transactions, Morgan Stanley made judgments and assumptions with regard to general business, market and financial conditions and other matters, which are beyond the control of CSI, such as the impact of competition on the business of CSI or the industry generally, industry growth and the absence of any adverse material change in the financial condition of CSI or the industry or in the financial markets in general, which could affect the public trading value of the companies and the equity value of the transactions to which they are being compared.

*Discounted Cash Flow Analysis*

Morgan Stanley performed a discounted cash flow analysis of the projected unlevered free cash flows of CSI for calendar years 2009 through 2013, based on forecasts prepared by the management of CSI. Morgan Stanley calculated



implied pro forma equity values of CSI common stock by using estimated discount rates ranging from 7% to 11% and multiples of estimated 2013 revenue ranging from 1x to 2x. Based on selected ranges of multiples and discount rates, this analysis yielded an implied equity valuation range of approximately \$321 million to \$662 million.

Morgan Stanley noted that based on Replidyne's number of fully diluted shares outstanding and the share price of Replidyne common stock, both as of the close of market on October 31, 2008, the implied value of the equity of the combined company is \$180 million and based on Replidyne's net assets at the closing of the merger of \$37 million to \$40 million, the implied value of the equity of the combined company is in the range of \$218 million to \$235 million.

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The valuation stated above is not necessarily indicative of CSI's respective actual, present or future value or results, which may be more or less favorable than suggested by this type of analysis.

***General***

In connection with the review of the merger and the issuance of shares of Replidyne common stock to CSI stockholders by Replidyne's board of directors, Morgan Stanley performed a variety of financial and comparative analyses for purposes of rendering its opinion. The preparation of a fairness opinion is a complex process and is not necessarily susceptible to a partial analysis or summary description. In arriving at its opinion, Morgan Stanley considered the results of all of its analyses as a whole and did not attribute any particular weight to any particular analysis or factor it considered. Morgan Stanley believes that selecting any portion of its analyses, without considering all analyses as a whole, would create an incomplete view of the process underlying its analyses and opinion. In addition, Morgan Stanley may have given various analyses and factors more or less weight than other analyses and factors, and may have deemed various assumptions more or less probable than other assumptions. As a result, the ranges of valuations resulting from any particular analysis described above should not be taken to be Morgan Stanley's view of the actual value of CSI or Replidyne. In performing its analysis, Morgan Stanley made numerous assumptions with respect to industry performance, general business and economic conditions and other matters. Many of these assumptions are beyond the control of CSI or Replidyne. Any estimates contained in Morgan Stanley's analyses are not necessarily indicative of future results or actual values, which may be significantly more or less favorable than suggested by such estimates.

Morgan Stanley conducted the analyses described above solely as part of its analysis of the fairness of the conversion factor pursuant to the merger agreement from a financial point of view to Replidyne and in connection with the delivery of its opinion dated November 3, 2008 to Replidyne's board of directors. These analyses do not purport to be appraisals or to reflect the prices at which shares of common stock of Replidyne or CSI might naturally trade.

The conversion factor pursuant to the merger agreement was determined through arm's-length negotiations between Replidyne and CSI and was approved by Replidyne's board of directors. Morgan Stanley provided advice to Replidyne during these negotiations. Morgan Stanley did not, however, recommend any specific consideration to Replidyne or its board of directors or that any specific consideration constituted the only appropriate consideration for the merger.

Morgan Stanley's opinion was one of many factors taken into consideration by Replidyne's board of directors in deciding to approve the merger and the issuance of shares of Replidyne common stock to CSI stockholders. Consequently, the analyses as described above should not be viewed as determinative of the opinion of Replidyne's board of directors with respect to the conversion factor or of whether Replidyne's board of directors would have been willing to agree to different consideration. The foregoing summary describes the material analyses performed by Morgan Stanley but does not purport to be a complete description of the analyses performed by Morgan Stanley.

Replidyne's board of directors retained Morgan Stanley based upon Morgan Stanley's qualifications, experience and expertise. Morgan Stanley is an internationally recognized investment banking and advisory firm. Morgan Stanley's securities business is engaged in securities underwriting, trading and brokerage activities, foreign exchange, commodities and derivatives trading, prime brokerage, as well as providing investment banking, financing and financial advisory services. Morgan Stanley, its affiliates, directors and officers may at any time invest on a principal basis or manage funds that invest, hold long or short positions, finance positions, and may trade or otherwise structure and effect transactions, for their own account or the accounts of its customers, in debt or equity securities or loans of Replidyne, CSI, or any other company, or any currency or commodity, that may be involved in the merger, or any related derivative instrument.

Under the terms of its engagement letter, Morgan Stanley provided Replidyne financial advisory services and a financial opinion in connection with the merger, and Replidyne has agreed to pay Morgan Stanley a customary fee for its services, a portion of which was payable upon the execution of the merger agreement and the remainder of which is contingent upon the consummation of the merger. Replidyne has also agreed to reimburse Morgan Stanley for its fees and expenses, including attorneys' fees, incurred in connection with its services. In addition, Replidyne has agreed to indemnify Morgan Stanley and any of its affiliates, their respective directors, officers, agents and

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employees and each person, if any, controlling Morgan Stanley or any of its affiliates against certain liabilities and expenses, including certain liabilities under the federal securities laws relating to or arising out of its engagement and any related transactions. In the past, Morgan Stanley and its affiliates have provided financial advisory and financing services for Replidyne and CSI and have received fees from Replidyne for the rendering of these services to Replidyne. Other than the fees disclosed above, since November 3, 2006, Morgan Stanley has not received any investment banking fees from Replidyne or its affiliates.

**Officers and Directors of the Combined Company Following the Merger**

The following table lists the names and ages as of December 31, 2008, and positions of the individuals who are expected to serve as directors and executive officers of Replidyne upon completion of the merger:

<b>Name</b>	<b>Age</b>	<b>Position</b>
David L. Martin	44	President, Chief Executive Officer and Director
Laurence L. Betterley	54	Chief Financial Officer
James E. Flaherty	55	Chief Administrative Officer and Secretary
Michael J. Kallok, Ph.D.	60	Chief Scientific Officer and Director
John Borrell	41	Vice President of Sales
Brian Doughty	45	Vice President of Marketing
Robert J. Thatcher	54	Executive Vice President
Paul Tyska	51	Vice President of Business Development
Paul Koehn	46	Vice President of Manufacturing
Edward Brown	45	Director
Brent G. Blackey	50	Director
John H. Friedman	55	Director
Geoffrey O. Hartzler	62	Director
Roger J. Howe	65	Director
Augustine Lawlor	52	Director
Glen D. Nelson	71	Director
Gary M. Petrucci	67	Director

**Interests of Replidyne's Executive Officers and Directors in the Merger**

In considering the recommendation of the Replidyne board of directors with respect to issuing shares of Replidyne common stock as contemplated by the merger agreement, Replidyne stockholders should be aware that certain members of the board of directors and executive officers of Replidyne have interests in the merger that are different from, or in addition to, their interests as Replidyne stockholders. These interests relate to or arise from, among other things:

severance benefits to which each of Donald Morrissey, Kenneth Collins and Mark Smith would become entitled in the event of a change of control of Replidyne and/or his termination of employment within specific periods of time relative to the consummation of the merger;

retention transaction bonuses to which each of Donald Morrissey and Mark Smith would become entitled in the event of such officers' continued employment with Replidyne through consummation of the merger;

the accelerated vesting of certain stock options held by the Replidyne executive officers and non-employee board members in connection with the consummation of the merger; and

the agreement that two Replidyne directors will continue to serve on the board of directors of the combined company following the consummation of the merger.

Except with respect to the transactions described herein that occurred subsequent to such decisions, each of the Replidyne and CSI boards of directors and the CSI special committee were aware of these potential conflicts of

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interest and considered them, among other matters, in reaching their respective decisions to approve the merger agreement and the merger, and to recommend that their respective securityholders approve the Replidyne and CSI proposals, as applicable.

***Ownership Interests***

As of December 31, 2008, all directors and executive officers of Replidyne, together with their affiliates, beneficially owned approximately 35% of the shares of Replidyne common stock. The affirmative vote of the holders of a majority of the votes cast in person or by proxy at the Replidyne special meeting is required for approval of Replidyne Proposal Nos. 1, 5, 6 and 7 and the affirmative vote of a majority of Replidyne issued and outstanding shares of common stock is required for approval of Proposals Nos. 2, 3 and 4. Directors, and their affiliates, have also entered into voting agreements in connection with the merger. For a more detailed discussion of the voting agreements see the section entitled "Other Agreements Related to the Merger - Voting Agreements" in this proxy statement/prospectus.

***Employment Agreements with Executive Officers***

On April 4, 2006, Replidyne entered into employment agreements with each of Donald Morrissey, Kenneth Collins and Mark Smith. These employment agreements were amended on June 15, 2007. Pursuant to the employment agreements, if the executive's employment is terminated without cause or terminated by the executive for good reason within one month before or 13 months following a change of control, then the executive will be entitled to the following additional benefits:

salary continuation for a period of 12 months (or 18 months with respect to Mr. Collins) from the date of termination;

reimbursement for the cost of continued medical insurance coverage through the end of this 12 month period (or 18 month period with respect to Mr. Collins) or if earlier, the date on which the employee obtains alternative group health insurance; and

acceleration of vesting of all of the executive's outstanding unvested options to purchase Replidyne common stock, except that 100,000 stock options granted to each of Messrs. Collins, Smith and Morrissey in March 2008 vest solely at the discretion of the board of directors.

In addition, if the executive officer's employment is terminated without cause or terminated by him for good reason within one month before or 13 months following a change of control of Replidyne, then he would be entitled to payment of a bonus equal to the average of his annual bonus for the two years prior to such termination (or one and a half times the average of his annual bonus for the two years prior to such termination with respect to Mr. Collins). Any such change of control bonuses are paid at the same time as bonuses are paid pursuant to Replidyne's bonus policy.

The executives' employment agreements also provide for severance benefits in the event of the executive's termination that is not in connection with a change of control. Replidyne may terminate the executive at any time with or without cause. However, if the executive's employment is terminated without cause or terminated by the executive for good reason, then the executive shall be entitled to receive a severance package consisting of:

salary continuation for a period of 12 months (or 18 months with respect to Mr. Collins) from the date of termination; and

reimbursement for the cost of continued medical insurance coverage through the end of this 12 month period (or 18 month period with respect to Mr. Collins) or, if earlier, the date on which the executive obtains alternative group health insurance.

The executives' employment agreements provide that the severance benefits shall be payable on the same basis and at the same time as previously paid and subject to employment tax withholdings and deductions, commencing on the first regularly scheduled pay date following the date of effectiveness of a release signed by the executive. However, in the event that any of the executives is deemed to be a specified employee under Section 409A of the

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Internal Revenue Code, payments to such specific employee may be delayed by six months to avoid imposition of tax under Section 409A.

***Retention Bonus Agreements with Replidyne's Chief Financial Officer and its Senior Vice President, Corporate Development***

On March 31, 2008, Replidyne entered into a retention bonus agreement with each of Mark Smith, Replidyne's Chief Financial Officer, and Donald Morrissey, Replidyne's Senior Vice President, Corporate Development. Pursuant to the terms of the retention bonus agreements, Replidyne paid each of Mr. Smith and Mr. Morrissey a cash bonus in the amount of \$100,000 in October 2008 because such executives remained employed by Replidyne through September 30, 2008. The retention bonus agreements provide for an additional cash bonus to each of Mr. Smith and Mr. Morrissey in an amount of not less than \$100,000 and not greater than \$150,000, which final amount will be determined by Replidyne's board of directors in its sole discretion, provided that the executive remains employed by Replidyne through the consummation of a strategic transaction. For purposes of the retention bonus agreements, a strategic transaction is defined as, subject to the sole discretion of Replidyne's board of directors, (i) a strategic alliance or partnership with an unaffiliated third party that relates to the development and commercialization of faropenem medoxomil or (ii) another strategic transaction to which Replidyne is a party.

The retention bonus agreements extend until ten days following the consummation of a strategic transaction, subject to certain conditions. The retention bonus agreements do not affect the terms of the employment agreements that Replidyne has entered into with Mr. Smith and Mr. Morrissey.

***Amounts Payable to Replidyne Executive Officers Upon Consummation of the Merger***

The consummation of the merger will constitute a change of control for purposes of the amended employment agreements. Assuming that Replidyne's board of directors deems the merger to be a strategic transaction for purposes of the retention bonus agreements, set forth below is an estimate of the sum of the value of the change of control, severance and retention payments that would become payable to Messrs. Morrissey, Collins and Smith under the amended employment agreements or retention bonus agreements, as applicable, assuming the consummation of the merger and a termination of each executive's employment as of December 31, 2008, and excluding the value of any accelerated vesting and/or exerciseability of stock awards. The amounts shown also assume that the executives did not receive a bonus for fiscal year 2008 when calculating the change of control bonuses payable to such executives pursuant to the terms of their amended employment agreements. The amounts shown are in addition to the information shown in the next table regarding the accelerated vesting of stock options.