

MULDER DAVID M  
Form 4  
September 30, 2010

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
MULDER DAVID M

2. Issuer Name and Ticker or Trading Symbol  
BIOLASE TECHNOLOGY INC  
[BLTI]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction  
(Month/Day/Year)  
09/28/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
\_\_\_\_ Officer (give title below)  Other (specify below)  
Former Director and CEO

4 CROMWELL  
  
(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

IRVINE, CA 92618  
  
(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	09/28/2010		M		20,400	A	\$ 0.78
Common Stock	09/28/2010		M		3,750	A	\$ 0.82
Common Stock	09/28/2010		S		12,500	D	\$ 1.22
Common Stock	09/28/2010		S		6,250	D	\$ 1.23
Common Stock	09/28/2010		S		2,500	D	\$ 1.24

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Common Stock	09/28/2010	S	400	D	\$ 1.25	2,500	D
Common Stock	09/28/2010	S	2,500	D	\$ 1.20	0	D
Common Stock	09/29/2010	M	20,500	A	\$ 0.78	20,500	D
Common Stock	09/29/2010	M	4,709	A	\$ 0.82	25,209	D
Common Stock	09/29/2010	S	5,000	D	\$ 1.28	20,209	D
Common Stock	09/29/2010	S	2,400	D	\$ 1.26	17,809	D
Common Stock	09/29/2010	S	1,000	D	\$ 1.17	16,809	D
Common Stock	09/29/2010	S	2,500	D	\$ 1.23	14,309	D
Common Stock	09/29/2010	S	2,000	D	\$ 1.18	12,309	D
Common Stock	09/29/2010	S	2,000	D	\$ 1.20	10,309	D
Common Stock	09/29/2010	S	4,600	D	\$ 1.25	5,709	D
Common Stock	09/29/2010	S	2,000	D	\$ 1.16	3,709	D
Common Stock	09/29/2010	S	1,000	D	\$ 1.15	2,709	D
Common Stock	09/29/2010	S	2,709	D	\$ 1.22	0	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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and 5)

	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)			\$ 0.78		09/28/2010		M	20,400	03/10/2009	03/10/2019	Common Stock	20,400
Stock Option (right to buy)			\$ 0.82		09/28/2010		M	3,750	01/26/2009	01/26/2019	Common Stock	3,750
Stock Option (right to buy)			\$ 0.78		09/29/2010		M	20,500	03/10/2009	03/10/2019	Common Stock	20,500
Stock Option (right to buy)			\$ 0.82		09/29/2010		M	4,709	01/26/2009	01/26/2019	Common Stock	4,709

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MULDER DAVID M 4 CROMWELL IRVINE, CA 92618			Former Director and CEO	

## Signatures

/s/ Michael C. Carroll, Attorney-in-Fact for David M. Mulder 09/30/2010

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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