# SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

#### SCHEDULE 13G/A (Rule 13d-102)

# INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c) and (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b) (Amendment No. 4)\*

SERONO S.A. (Name of Issuer)

Bearer Shares, nominal value CHF 25 per share (Title of Class of Securities)

CINS: H32560106 (CUSIP Number)

December 31, 2004 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

0	Rule 13d-1(b)
o	Rule 13d-1(c)
X	Rule 13d-1(d)

<sup>\*</sup>The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act, but shall be subject to all other provisions of the Act (however, *see* the Notes).

Page 1 of 11 Exhibit Index on Page 11 CUSIP NO. CINS: H32560106 13G/A PAGE 2----- of -----11 PAGES

1	Names of Departing Parsons/I D C			
(	Entities Only)	Identification Nos. of Above Persons		
I	Ernesto Bertarelli			
	Check the Appropriate Box if a Member of a Group (See Instructions) (b) o			
3 5	SEC Use Only			
4	Citizenship or Place of Organization			
S	Switzerland			
Number of 5	5	Sole Voting Power		
Shares	4,753,289			
	6 Shared Voting Power			
Beneficially	N/A			
Owned by		Sole Dispositive Power		
Each		126,359		
Reporting	8 Shared Dispositive Power			
Person With		4,626,930		
9	Aggregate Amount Beneficially Owned by Each Reporting Person			
	4,753,289			
	Check if the Aggregate Amount in Row (9) Excludes Certain Shares x (See Instructions)			
11 I	Percent of Class Represented by Amount in Row (9)			
4	46.9%			
12	Type of Reporting Person (See Instructions)			
I	IN			

CUSIP NO. CINS: H32560106 13G/A PAGE 3------ of -----11 PAGES

1	Names of Reporting Persons/I.R.S. Identification Nos. of Above Persons (Entities Only)		
	Maria-Iris Bertarelli		
2	Check the Appropriate Box if a Member of a Group (See Instructions) (b) o		
3	SEC Use Only		
4	Citizenship or Place of Organization		
	Switzerland		
Number of	5	Sole Voting Power	
Shares	154,000		
Beneficially	6	Shared Voting Power	
Owned by	N/A		
	7	Sole Dispositive Power	
Each	154,000		
Reporting	8 Shared Dispositive Power		
Person With		4,626,930	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 4,780,930		
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares x (See Instructions)		
11	Percent of Class Represented by Amount in Row (9)		
12	47.2% Type of Reporting Person (See Instructions)		
12			
	IN		

CUSIP NO. CINS: H32560106 13G/A PAGE 4------ of -----11 PAGES

1	Names of Reporting Persons/I.R.S. Identification Nos. of Above Persons (Entities Only)			
	Donata Bertarelli Spaeth			
2	Check the Appropriate Box if a Member of a Group (See Instructions) (b) o			
3	SEC Use Only			
4	Citizenship or Place of Organization			
	Switzerland			
Number of	5 Sole Voting Power			
Shares	130,520			
Beneficially	6 Shared Voting Power			
Belieficially	y N/A			
Owned by	7 Sole Dispositive Power			
Each		130,520		
Reporting	8 Shared Dispositive Power			
Person With		4,626,930		
9	Aggregate Amount Beneficially Owned by Each Reporting Person			
	4,757,450			
10	Check if the Aggregate Amount in Row (9) Excludes Certain Shares x (See Instructions)			
11	Percent of Class Represented by Amount in Row (9)			
	47.0%			
12	Type of Reporting Person (See Instructions)			
	IN			

**CUSIP NO. CINS: H32560106** 

13G/A

PAGE 5----- of -----11 PAGES

T			
Names of Reporting Persons/I.R.S. Identification Nos. of Above Persons (Entities Only)			
Bertarelli & Cie			
Check the Appropriate Box if a Member of a Group (See Instructions) (b) o			
SEC Use Only			
Citizenship or Place of Organization			
Switzerland			
5	Sole Voting Power		
4,626,930			
6 Shared Voting Power			
	N/A		
7	Sole Dispositive Power		
	4,626,930		
8 Shared Dispositive Power			
	N/A		
Aggregate Amount Beneficially Owned by Each Reporting Person			
4,626,930			
Check if the Aggregate Amount in Row (9) Excludes Certain Shares x (See Instructions)			
Percent of Class Represented by Amount in Row (9)			
45.7%			
Type of Reporting Person (See Instructions)			
00			
	(Entities Only)  Bertarelli & Cie  Check the Appropriate Box if a M (See Instructions)  SEC Use Only  Citizenship or Place of Organizati Switzerland  5  6  7  8  Aggregate Amount Beneficially County 4,626,930  Check if the Aggregate Amount in (See Instructions)  Percent of Class Represented by A 45.7%  Type of Reporting Person (See Instructions)		

PAGE 6----- of -----11 PAGES **CUSIP NO. CINS: H32560106** 13G/A Name of Issuer: Item 1(a). Serono S.A. Item 1(b). Address of Issuer's Principal Executive Offices: 15 bis, Chemin des Mines Case Postale 54 CH-1211 Geneva 20 Switzerland **Names of Persons Filing:** Item 2(a). Ernesto Bertarelli, an individual Maria-Iris Bertarelli, an individual Donata Bertarelli Spaeth, an individual Bertarelli & Cie, a societe en commandite par actions organized under the laws of Switzerland. Ernesto Bertarelli is President, Managing Director and a shareholder and each of Maria-Iris Bertarelli and Donata Bertarelli Spaeth is a Director and a shareholder of Bertarelli & Cie. **Item 2(b).** Address of Principal Business Office or, if None, Residence: For Ernesto Bertarelli: c/o Serono International S.A. 15 bis. Chemin des Mines CH-1211 Geneva 20 Switzerland For Maria-Iris Bertarelli, Donata Bertarelli Spaeth and Bertarelli & Cie: c/o Kedge Capital (Suisse) SA Post Office Box 145 2, Chemin des Mines CH-1211 Geneva 20 Switzerland Citizenship: Item 2(c). Ernesto Bertarelli: Switzerland Maria-Iris Bertarelli: Switzerland

Item 2(d).

Switzerland

Donata Bertarelli Spaeth: Switzerland

Bertarelli & Cie: A societe en commandite par actions organized under the laws of

**Title of Class of Securities:** 

Bearer Shares, nominal value CHF 25 per share

CUSIP NO. C	CINS: H32560106	13G/A	PAGE 7 of11 PAGES
Item 2(e).		<b>CUSIP Number:</b>	
CINS: H32560	)106		
Item 3.If This Filing		ed Pursuant to Rule 13d-1(b), or 13d-2(b)	or (c), Check Whether the Person
		Not applicable.	
Item 4.		Ownership.	
Provide the foliassuer identifie		on regarding the aggregate number and perc	entage of the class of securities of the
With respect to	o Ernesto Bertarell	i:	
	Mr. Bertarelli has	4,753,289 shares, including 4,626,930 shar the right to acquire within 60 days after De	· · · · · · · · · · · · · · · · · · ·
	(b	Percent of c	class: 46.9%
	(c)	Number of shares as to whi	ich the person has:
	(i)	Sole power to vote or to direct	the vote: 4,753,289
	(ii)	Shared power to vote or to d	irect the vote: N/A
	(iii)	Sole power to dispose or to direct the	disposition of: 126,359
	(iv)	Shared power to dispose or to direct the	disposition of: 4,626,930
Ernesto Bertar Bertarelli Spac		eficial ownership of shares owned individua	ally by Maria-Iris Bertarelli and Donata
With respect to	o Maria-Iris Bertar	relli:	
(a)	Amount benefic	cially owned: 4,780,930, including 4,626,93	30 shares held by Bertarelli & Cie
	(b	Percent of c	class: 47.2%
	(c)	Number of shares as to wh	ich the person has:
	(i)	Sole power to vote or to direct	et the vote: 154,000
	(ii)	Shared power to vote or to d	irect the vote: N/A
	(iii)	Sole power to dispose or to direct the	disposition of: 154,000

(iv) Shared power to dispose or to direct the disposition of: 4,626,930

Maria-Iris Bertarelli disclaims beneficial ownership of shares owned individually by Ernesto Bertarelli and Donata Bertarelli Spaeth.

## **PAGE 8----- of -----11 PAGES CUSIP NO. CINS: H32560106** 13G/A With respect to Donata Bertarelli Spaeth: (a) Amount beneficially owned: 4,757,450, including 4,626,930 shares held by Bertarelli & Cie Percent of class: 47.0% (b) Number of shares as to which the person has: (c) (i) Sole power to vote or to direct the vote: 130,520 (ii) Shared power to vote or to direct the vote: N/A Sole power to dispose or to direct the disposition of: 130,520 (iii) (iv) Shared power to dispose or to direct the disposition of: 4,626,930 Donata Bertarelli Spaeth disclaims beneficial ownership of shares owned individually by Ernesto Bertarelli and Maria-Iris Bertarelli. With respect to Bertarelli & Cie: (a) Amount beneficially owned: 4,626,930 Percent of class: 45.7% (b) (c) Number of shares as to which the person has: (i) Sole power to vote or to direct the vote: 4,626,930 Shared power to vote or to direct the vote: N/A (ii) Sole power to dispose or to direct the disposition of: 4,626,930 (iii) Shared power to dispose or to direct the disposition of: N/A (iv)

Bertarelli & Cie disclaims beneficial ownership of shares owned individually by Ernesto Bertarelli, Maria-Iris Bertarelli and Donata Bertarelli Spaeth.

CUSIP NO. CINS: H32	2560106	3G/A	PAGE 9 of11 PAGES
Item 5.	Ownership of Five Percent or Less of a Class.		
Not applicable.			
Item 6.	Ownership of More than Fiv	e Percent on Beha	alf of Another Person.
Not applicable.			
	d Classification of the Subsidiang Company or Control Perso	•	red the Security Being Reported on by
Not applicable.			
Item 8.	Identification and Class	ification of Memb	pers of the Group.
Ernesto Bertarelli			
Maria-Iris Bertarelli			
Donata Bertarelli Spaeth			
Bertarelli & Cie			
Item 9.	Notice of	Dissolution of Gro	oup.
Not applicable.			
Item 10.		Certifications.	
Not applicable.			

CUSIP NO. CINS: H32560106	13G/A	PAGE 10 of11
		PAGES

#### **SIGNATURE**

After reasonable inquiry and to the best of our knowledge and belief, we certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2005

Ernesto Bertarelli

Maria-Iris Bertarelli

\*

Donata Bertarelli Spaeth

BERTARELLI & CIE

/s/ Thomas J. Plotz By: Thomas J. Plotz

Title: Attorney-in-Fact

\* By:

/s/ Thomas J. Plotz Thomas J. Plotz, Attorney-in-Fact CUSIP NO. CINS: H32560106 13G/A PAGE 11------ of -----11 PAGES

#### **EXHIBITS**

- \*1. Power of Attorney of Ernesto Bertarelli
- \*2. Power of Attorney of Maria-Iris Bertarelli
- \*3. Power of Attorney of Donata Bertarelli Spaeth
- \*4. Power of Attorney of Bertarelli & Cie
- \*5. Joint Filing Agreement Pursuant to Rule 13d-1(k)(1)

<sup>\*</sup>Previously filed as an exhibit to the Schedule 13G filed by the reporting persons with the Securities and Exchange Commission on February 14, 2001 and incorporated herein by reference.