CYTOKINETICS INC

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

may continue.

Form 5

Form 4 June 19, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

Form filed by More than One Reporting

Indirect (I)

(Instr. 4)

Ownership

(Instr. 4)

(3)

Person

Owned

Following

Reported

12,500

3235-0287

January 31, Expires: 2005

OMB APPROVAL

Estimated average 0.5

burden hours per response...

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

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Blum Robert I Issuer Symbol CYTOKINETICS INC [CYTK] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 280 EAST GRAND AVENUE 06/15/2006 below) below) President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

SOUTH SAN FRANCISCO, CA 94080

Stock

(City)	(State) (X	Zip) Table	e I - Non-De	erivative Securities Acq	uired, Disposed of	f, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transaction	n(A) or Disposed of	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)	Beneficially	(D) or	Beneficial

(Instr. 3, 4 and 5)

(A)

(Instr. 8)

		Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	06/15/2006	M(1)	4,990	A	\$ 0.58	69,990	D	
Common Stock	06/15/2006	S <u>(1)</u>	4,990	D	\$ 6.93	65,000	D	
Common Stock						12,500	I	by Trust 1 (2)
Common								by Trust 2

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

(Month/Day/Year)

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SEC 1474

(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. 5. Number Transaction Derivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Am Underlying Sec (Instr. 3 and 4)		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	A N S
Incentive Stock Option (right to buy)	\$ 0.58	06/15/2006		M		4,990	01/14/2000(4)	11/14/2010	Common Stock	
Incentive Stock Option (right to buy)	\$ 1.2						07/10/2002(5)	07/10/2012	Common Stock	
Incentive Stock Option (right to buy)	\$ 1.2						05/21/2003(6)	05/21/2013	Common Stock	
Incentive Stock Option (right to buy)	\$ 2						12/18/2003(7)	12/18/2013	Common Stock	,
Incentive Stock Option (right to buy)	\$ 6.59						04/11/2005(8)	04/11/2015	Common Stock	2
Incentive Stock Option (right to buy)	\$ 7.15						03/01/2006(9)	03/01/2016	Common Stock	,
Non-Qualified Stock Option (right to buy)	\$ 1.2						07/10/2002(5)	07/10/2012	Common Stock	
Non-Qualified Stock Option (right to buy)	\$ 2						12/18/2003(7)	12/18/2013	Common Stock	1
Non-Qualified Stock Option (right to buy)	\$ 7.15						03/01/2006(9)	03/01/2016	Common Stock	,

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Blum Robert I 280 EAST GRAND AVENUE SOUTH SAN FRANCISCO, CA 94080

President

Signatures

Robert I. Blum 06/16/2006

**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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 17, 2005.
- (2) Shares held by The Bridget Blum 2003 Irrevocable Trust.
- (3) Shares held by The Brittany Blum 2003 Irrevocable Trust.
- (4) This option is immediately exercisable upon grant and shall vest as to 25,000 shares on 11/14/00 and the balance of 87,500 divided into equal monthly installments thereafter such that the option shall be 100% vested on 11/14/05.
- When the ISO and NQ dated 07/10/02 are combined for a total grant of 150,000 shares, the option is immediately exercisable upon grant (5) and shall vest as to 2,500 shares on 04/15/02 and the balance of 147,500 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/15/07.
- (6) This option is immediately exercisable upon grant and shall vest as to 781 shares on 04/01/03 and the balance of 36,719 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/01/07.
- When the ISO and NQ dated 12/18/03 are combined for a total grant of 141,925 shares, the option is immediately exercisable upon grant (7) and shall vest as to 2,365 shares on 01/18/04 and the balance of 139,560 divided into equal monthly installments thereafter such that the option shall be 100% vested on 12/18/08.
- (8) This option shall vest and become exercisable as to 45,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2009.
- (9) When the ISO and NQ dated 03/01/2006 are combined for a total grant of 100,000 shares, the option shall vest and become exercisable as to 100,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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