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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Blum Robert I					Issuer Name and Ticker or Trading Symbol CYTOKINETICS INC [CYTK] Date of Earliest Transaction (Month/Dav/Year)									Relationship of Reporting Person(s) to Issuer (Check all applicable) Director				
					07/31/2006									X Officer (give title Other (spe below) below) President				
(Street) SOUTH SAN FRANCISCO CA 94080				4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									, , , , , , , , , , , , , , , , , , , ,			on	
(51			Non-Deriv	vative	Sec	urit	ies Ac	quired	Dis	nosed c	of or Be	nefici	ially	Owne				
1. Title of Security (Instr. 3) 2. Transaction Date					2A. Deemed Execution Date, if any (Month/Day/Year)			3. Transaction Code (Instr. 8)		4. Securities Acquire		red (A) str. 3, 4	or	5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code	v	Amount	(A) or (D)	Price	•	Transa	Transaction(s) (Instr. 3 and 4)			
Common Stock 07.				07/31/2006						4,999	A	+ -	·		9,999		D	
Common Stock 07/3				:006				S ⁽¹⁾		4,999	D	\$5.6	\$5.6265 6		5,000		D	
Common Stock														12	,500		I	by Trust
Common Stock													12,500				by Trust 2 ⁽³⁾	
		Tab											Own	ed				
2. 3. Transaction 3A. Deemed Execution Date Execution Date if any		emed 4. ion Date, Trans Code		le (Instr. of Deriva Secur Acqui (A) or Dispo of (D) (Instr.		nber ivative urities puired or posed D) tr. 3,	6. Date Exe Expiration	ercisa Date	Amount of Securities Underlying Derivative Se		nd of s ng e Securi			9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		Ownership Form: Direct (D) or Indirect (I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
												or						
				Code	v	(A)					Title	of						
\$0.58	07/31/2006			М			4,999	01/14/2000	(4) 1	1/14/2010	Common Stock	4,999	,	\$0	57,498		D	
\$1.2								07/10/2002 ⁰	(5) 0	7/10/2012	Common Stock	83,33	3		83,333		D	
\$1.2								05/21/2003 ⁽	(6)	05/21/2013	Common Stock	37,50	0		37,500		D	
\$2								12/18/2003 ⁽	(7) 1	2/18/2013	Common Stock	27,50	0		27,500		D	
	SAN SCO CA (SI Security (Ins Stock S	(First) (CT GRAND AVENUE SAN SCO CA STABLE (State) (CT Table (State) (CT Table (Stock Stock Sto	(First) (Middle) ST GRAND AVENUE SAN SCO CA 94080 (State) (Zip) Table I - I Security (Instr. 3) Stock Stock Stock Stock Stock Stock Stock Stock Stock Stock Stock Stock Stock Stock Stock S	(First) (Middle) TT GRAND AVENUE SAN SCO CA 94080 (State) (Zip) Table I - Non-Derive (Month/Day) Security (Instr. 3) 2. Transaction Date (Month/Day) Stock 07/31/2 Stock Table II - Derive (e.g. 2) Conversion or Exercise Price of Date (Month/Day)Year) Price of Date (Month/Day)Year) \$0.58 07/31/2006 \$1.2	Conversion or exercise Price of Derivative Security Security	SAN CA 94080 SCO CA Stock O7/31/2006 O7/31/	SAN SCO CA 94080 SCO SCO CA 94080 SCO CA 94080	SAN CA 94080 State (Zip) Table I - Non-Derivative Securities Ac Security (Instr. 3) 2. Transaction Date (Month/Day/Year) (Month/Day/Year) Stock 07/31/2006 Stock 07/31/2006 Stock Stock 07/31/2006 Stock Stock 07/31/2006 Stock Stock 07/31/2006 Stock 07/31/2	San Ca 94080 Sco Ca Sco Ca 94080 Sco Ca Sco Ca	Code V Code V Code Code V Code Co	SAN CA 94080 Security (Instr. 3) Table I - Non-Derivative Securities Acquired Disposed of Stock O7/31/2006 O7/31/2006	Carry Code Code	Code V Amount (A) or Price of Organical Filed Code V Amount (B) or Description Code Code V Amount (B) or Description Code Code V Amount (Code Code V Code	Code No. Stock 1.2 S	A. A. A. A. A. A. A. A.	Source Conversion Date Derivative Descrites Descrites	Conversion Con	Canal

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,	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Incentive Stock Option (right to buy)	\$6.59							04/11/2005 ⁽⁸⁾	04/11/2015	Common Stock	45,000		45,000	D	
Incentive Stock Option (right to buy)	\$7.15							03/01/2006 ⁽⁹⁾	03/01/2016	Common Stock	28,494		28,494	D	
Non- Qualified Stock Option (right to buy)	\$1.2							07/10/2002 ⁽⁵⁾	07/10/2012	Common Stock	31,667		31,667	D	
Non- Qualified Stock Option (right to buy)	\$2							12/18/2003 ⁽⁷⁾	12/18/2013	Common Stock	114,425		114,425	D	
Non- Qualified Stock Option (right to buy)	\$7.15							03/01/2006 ⁽⁹⁾	03/01/2016	Common Stock	71,506		71,506	D	

Explanation of Responses:

- 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.
- 5. 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 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.
- 7. 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 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.

Robert I. Blum 08/01/2006

** Signature of Reporting Person Date

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

- * 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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