FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPRO	VAL								
OMB Number:	3235-0287								
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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

1. Name and Address of Reporting Person* TRAUTMAN JAY K					2. Issuer Name and Ticker or Trading Symbol CYTOKINETICS INC [CYTK]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner						
(Last) (First) (Middle) 280 EAST GRAND AVENUE							3. Date of Earliest Transaction (Month/Day/Year) 02/29/2008									er (give title v) P, Discovery I		Other (s below) Research	specify	
(Street) SOUTH SAN FRANCISCO CA 94080					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line)	Individual or Joint/Group Filing (Check Applicable ite) X Form filed by One Reporting Person Form filed by More than One Reporting Person				on	
(City)	(St	tate) (
4	0 " "		le I - N			_			quired, D)isp								[
Dat			2. Transa Date (Month/Da		Exe if a	Deemed ecution Date, ny onth/Day/Year)		Code (In:	Transaction Code (Instr.			ies Acquired (A Of (D) (Instr. 3,		5. Amo Securit Benefic Owned Follow	ies cially ing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code	V	Amount	(A) (D)		Price		ed ction(s) 3 and 4)					
Common	Stock					ve Securities Acquired, Disposed of, or Benefi								48,807			D			
			labi						uired, Dis , options,	•	,			•	ned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	se (Month/Day/Year)	if any	emed on Date, ('Day/Year)	4. Transac Code (Ir 8)		of E		6. Date Exercisa Expiration Date Month/Day/Yea			7. Title and Amount of Securities Underlying Derivative Security (In and 4)		ir. 3	B. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	ly I	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	or Nu of	mber ares						
Incentive Stock Option (right to buy)	\$3.37	02/29/2008			A		21,662		03/29/2008 ⁽¹⁾	0	2/28/2018	Common	n 21	,662	\$0	21,662	!	D		
Non- Qualified Stock Option (right to buy)	\$3.37	02/29/2008			A		38,338		03/29/2008 ⁽¹⁾	0	2/28/2018	Commo	a 38	,338	\$0	38,338		D		
Incentive Stock Option (right to buy)	\$6.5								04/08/2004 ⁽²	2) 0	3/08/2014	Commo	n 25	,000		25,000)	D		
Incentive Stock Option (right to buy)	\$6.59								04/11/2005 ⁽³	3) 0	4/11/2015	Commo	30	,000		30,000	,	D		
Incentive Stock Option (right to buy)	\$6.81								04/01/2007 ⁽⁴	4) 0	3/14/2017	Common Stock	12	,500		12,500		D		
																<u> </u>				

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 of Code (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			6. Date Exerc Expiration Day (Month/Day/)	7. Title an Amount of Securities Underlyin Derivative Security and 4)	of s ng e	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)	\$6.88							01/07/2006 ⁽⁵⁾	12/15/2015	Common Stock	21,504		21,504	D	
Incentive Stock Option (right to buy)	\$7.15							03/01/2006 ⁽⁶⁾	03/01/2016	Common Stock	2,500		2,500	D	
Non- Qualified Stock Option (right to buy)	\$6.81							04/01/2007 ⁽⁴⁾	03/14/2017	Common Stock	27,500		27,500	D	
Non- Qualified Stock Option (right to buy)	\$6.88							01/07/2006 ⁽⁵⁾	12/15/2015	Common Stock	43,496		43,496	D	
Non- Qualified Stock Option (right to buy)	\$7.15							03/01/2006 ⁽⁶⁾	03/01/2016	Common Stock	37,500		37,500	D	

Explanation of Responses:

- 1. When the ISO and NQ dated 02/29/2008 are combined for a total grant of 60,000 shares, the option shall vest and become exercisable as to 1,250 shares on 03/29/08 and the balance of 58,750 divided into equal monthly installments thereafter such that the option shall be 100% vested on 02/29/12.
- 2. This option shall vest and become exercisable as to 521 shares on 04/08/04 and the balance of 24,479 divided into equal monthly installments thereafter such that the option shall be 100% vested on
- 3. This option shall vest and become exercisable as to 30,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2009.
- 4. When the ISO and NQ dated 03/14/2007 are combined for a total grant of 40,000 shares, the option shall vest and become exercisable as to 833 shares on 04/01/07 and the balance of 39,167 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/01/11.
- 5. When the ISO and NQ dated 12/15/05 are combined for a total grant of 65,000 shares, the option shall vest and become exercisable as to 65,000 shares divided into equal monthly installments such that the option shall be 100% vested on 12/07/2009.
- 6. When the ISO and NQ dated 03/01/2006 are combined for a total grant of 40,000 shares, the option shall vest and become exercisable as to 40,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2010.

Jay K. Trautman, Ph.D. 03/03/2008

** Signature of Reporting Person

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.

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 Number.