FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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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]									Relationship of Reporting Person(s) to Issuer (Check all applicable)						
(Last) (First) (Middle) 280 EAST GRAND AVENUE (Street)						3. Date of Earliest Transaction (Month/Day/Year)									Director						
(Last) (First) (Middle)						08/10/2007												Other (below)	specify		
280 EAS	ST GRAND	AVENUE													V.	P, Discov	ery I	Research			
					4. If A	Amer	ndme	nt, Date	of Original	Filed	(Month/E	Day/Y	ear)			Joint/Grou	p Filir	ng (Check A	pplicable		
	CANT													- 1	,	filed by One	a Rar	orting Pers	on		
	()	A !	94080													-		-	- 1		
															Perso	n					
(City)	(S	tate)	(Zip)																		
		Tab	le I - N	on-Deri	vative \$	Sec	urit	ies Ac	quired, l	Disp	osed o	f, or	Ben	eficial	ly Owne	d					
1. Title of	Security (Ins	str. 3)		Date		Exe if a	ecution	on Date,	Code (Ir						Securit	ies	For (D)	m: Direct or	of Indirect Beneficial		
									Code	v	Amount		(A) or (D)	Price	Reporte Transa	ed ction(s)	(Instr. 4)		(Instr. 4)		
Commor	(Last) (First) (Midd (280 EAST GRAND AVENUE) Street) SOUTH SAN FRANCISCO CA 940 (City) (State) (Zip) Table I Table I Title of Security (Instr. 3) Common Stock Common Stock Common Stock Conversion or Exercise Price of Derivative Security Conversion of Exercise Price of Derivative Security Conversion of Exercise (Month/Day/Year) (Month/Day/Year) Conventive tock option split to uy) Conventive tock option split to uy)			non Stock			08/10/2		2007		M ⁽¹⁾	П	17,50	,500 A		\$1.2	2 35	5,396	Г	D	
Commor	Stock			08/10/	2007				M ⁽¹⁾		12,50	00	A	\$1.2	2 47	,896		D			
		Check all applicable Director Office (up table Director																			
				med	4.		5. N		6. Date Exe	rcisa	ble and	7. Ti	tle and	1							
Derivative Security (Instr. 3)	or Exercise Price of Derivative		if any		Code (Ir		Der Sec (A) Dis of (urities quired or posed D) etr. 3, 4				Secu Und Deri Secu	rities erlying vative irity (Ir		Derivative Security	Securities Beneficial Owned Following Reported Transactio	ly	Form: Direct (D) or Indirect (I) (Instr.	Beneficial Ownership		
									Date		xpiration		1	lumber							
					Code	v	(A)	(D)				Title									
Incentive Stock Option (right to buy)	\$1.2	08/10/2007			M			17,500	07/10/2002	2) 0	7/10/2012			17,500	\$0	0		D			
Incentive Stock Option (right to buy)	\$1.2	08/10/2007			M			12,500	05/21/2003	3) 0.	5/21/2013	Com Sto	mon	12,500	\$0	0		D			
Incentive Stock Option (right to buy)	\$6.5								04/08/2004	(4)	3/08/2014			25,000		25,000)	D			
Incentive Stock Option (right to buy)	\$6.59								04/11/2005	5) 0.	4/11/2015			30,000		30,000)	D			
Incentive Stock Option (right to buy)	\$6.81								04/01/2007	6) 0	3/14/2017			12,500		12,500)	D			
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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. Transac Code (Ir 8)		of Der Sec Acq (A) Dis of (I	posed D) tr. 3, 4	6. Date Exerc Expiration Day/N	ate	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)	Beneficial Ownership
				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 ⁽⁷⁾	12/15/2015	Common Stock	21,504		21,504	D	
Incentive Stock Option (right to buy)	\$7.15							03/01/2006 ⁽⁸⁾	03/01/2016	Common Stock	2,500		2,500	D	
Non- Qualified Stock Option (right to buy)	\$6.81							04/01/2007 ⁽⁶⁾	03/14/2017	Common Stock	27,500		27,500	D	
Non- Qualified Stock Option (right to buy)	\$6.88							01/07/2006 ⁽⁷⁾	12/15/2015	Common Stock	43,496		43,496	D	
Non- Qualified Stock Option (right to buy)	\$7.15							03/01/2006 ⁽⁸⁾	03/01/2016	Common Stock	37,500		37,500	D	

Explanation of Responses:

- 1. The purchase reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 10, 2005.
- 2. This option is immediately exercisable upon grant and shall vest as to 15,625 shares on 06/03/03 and the balance of 46,875 divided into equal monthly installments thereafter such that the option shall be 100% vested on 06/03/06.
- 3. This option is immediately exercisable upon grant and shall vest as to 573 shares on 04/01/03 and the balance of 26,927 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/01/07.
- 4. 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 03/08/08.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.

By: Robert I. Blum For: Jay K. Trautman, Ph.D.

** 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.

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.