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					<u>CY</u>	2. Issuer Name and Ticker or Trading Symbol  CYTOKINETICS INC [ CYTK ]									Relationship of Reporting Person(s) to Issuer (Check all applicable)     Director 10% Owner					
(Last) 280 EAS	(Fi	rst) ( AVENUE		3. Date of Earliest Transaction (Month/Day/Year) 03/14/2007										r (give title v) VP, Resear		Other (solution)  rch	specify			
(Street) SOUTH SAN FRANCISCO (City) (State) (Zip)							4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person				
(Oity)				on-Deriv	vative :	tive Securities Acquired, Disposed of, or Beneficially Owned														
1. Title of Security (Instr. 3)  2. Transact Date (Month/Day)						tion 2A. Deemed Execution Date,			3. 4. Securi Transaction Disposed Code (Instr. and 5)		rities Acquired (And Of (D) (Instr. 3		d (A) o	5. Amo Securit Benefic Owned Follow Report Transa	unt of 6. ties (Cially (I		wnership m: Direct or rect (I) tr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common	Stock						+			- "			(Instr. 3 and 4)		D					
Common	Stock		Table						uired, Dis							,,,,,,	<u> </u>			
1. Title of Derivative Security (Instr. 3)	e of 2.  Conversion Date Executio (Month/Day/Year) if any		med 4.		5. Nu action of		iber tive ties ed	6. Date Exe Expiration	potions, convertible  Date Exercisable and  piration Date  onth/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Ins and 4)		str. 3	8. Price of Derivative Security (Instr. 5)	derivative tive Securitie ty Beneficia	e s ally g	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	OI No	umber						
Incentive Stock Option (right to buy)	\$6.81	03/14/2007			A		12,500		04/01/2007 <sup>(</sup>	1) 0	3/14/2017	Commo Stock		2,500	\$0	12,500	)	D		
Non- Qualified Stock Option (right to buy)	\$6.81	03/14/2007			A		27,500		04/01/2007 <sup>(</sup>	1) 0	3/14/2017	Comme Stock		7,500	\$0	27,500	)	D		
Incentive Stock Option (right to buy)	\$1.2								07/10/2002 <sup>()</sup>	2) 0	7/10/2012	Commo		7,500		17,500	)	D		
Incentive Stock Option (right to buy)	\$1.2								05/21/2003 <sup>()</sup>	3) 0	5/21/2013	Commo		2,500		12,500	,	D		
Incentive Stock Option (right to buy)	\$6.5								04/08/2004 <sup>(</sup>	4) 0	3/08/2014	Commo		5,000		25,000		D		
																		_		

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)		. 5. Number of ode (Instr. Derivative			6. Date Exerc Expiration Day (Month/Day/N	ate	7. Title at 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)	\$6.59							04/11/2005 <sup>(5)</sup>	04/11/2015	Common Stock	30,000		30,000	D	
Incentive Stock Option (right to buy)	\$6.88							01/07/2006 <sup>(6)</sup>	12/15/2015	Common Stock	21,504		21,504	D	
Incentive Stock Option (right to buy)	\$7.15							03/01/2006 <sup>(7)</sup>	03/01/2016	Common Stock	2,500		2,500	D	
Non- Qualified Stock Option (right to buy)	\$6.88							01/07/2006 <sup>(6)</sup>	12/15/2015	Common Stock	43,496		43,496	D	
Non- Qualified Stock Option (right to buy)	\$7.15							03/01/2006 <sup>(7)</sup>	03/01/2016	Common Stock	37,500		37,500	D	

## **Explanation of Responses:**

- 1. 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.
- 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 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.
- 7. 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.

<u>Jay K. Trautman, Ph.D.</u> <u>03/16/2007</u>
\*\* 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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