

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* <b>TRAUTMAN JAY K</b>			2. Issuer Name and Ticker or Trading Symbol <b>CYTOKINETICS INC [ CYTK ]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>VP, Disc Biology &amp; Technology</b>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>03/01/2006</b>					
280 EAST GRAND AVENUE			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
(Street) <b>SOUTH SAN FRANCISCO CA 94080</b>								
(City)	(State)	(Zip)						

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)			
Common Stock							30,160	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)	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
Incentive Stock Option (right to buy)	\$7.15	03/01/2006		A		2,500		03/01/2006 <sup>(1)</sup>	03/01/2016	Common Stock	2,500	\$0	2,500	D	
Non-Qualified Stock Option (right to buy)	\$7.15	03/01/2006		A		37,500		03/01/2006 <sup>(1)</sup>	03/01/2016	Common Stock	37,500	\$0	37,500	D	
Incentive Stock Option (right to buy)	\$1.2							07/10/2002 <sup>(2)</sup>	07/10/2012	Common Stock	17,500		17,500	D	
Incentive Stock Option (right to buy)	\$1.2							05/21/2003 <sup>(3)</sup>	05/21/2013	Common Stock	12,500		12,500	D	
Incentive Stock Option (right to buy)	\$6.5							04/08/2004 <sup>(4)</sup>	03/08/2014	Common Stock	25,000		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)	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 <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	
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	

**Explanation of Responses:**

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

Jay K. Trautman, Ph.D.                      03/03/2006

\*\* 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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