

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* <u>TRAUTMAN JAY K</u>			2. Issuer Name and Ticker or Trading Symbol <u>CYTOKINETICS INC [CYTK]</u>			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) <u>VP, Discovery Research</u>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>04/10/2007</u>			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		
280 EAST GRAND AVENUE			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>SOUTH SAN FRANCISCO CA 94080</u>								
(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)	Price			
Common Stock	04/10/2007		S ⁽¹⁾		300	D	\$7.05	19,671	D	
Common Stock	04/10/2007		S ⁽¹⁾		335	D	\$7.06	19,336	D	
Common Stock	04/10/2007		S ⁽¹⁾		413	D	\$7.03	18,923	D	
Common Stock	04/10/2007		S ⁽¹⁾		452	D	\$7.07	18,471	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		Date Exercisable	Expiration Date					
Incentive Stock Option (right to buy)	\$1.2						07/10/2002 ⁽²⁾	07/10/2012	Common Stock	17,500	17,500	D	
Incentive Stock Option (right to buy)	\$1.2						05/21/2003 ⁽³⁾	05/21/2013	Common Stock	12,500	12,500	D	
Incentive Stock Option (right to buy)	\$6.5						04/08/2004 ⁽⁴⁾	03/08/2014	Common Stock	25,000	25,000	D	
Incentive Stock Option (right to buy)	\$6.59						04/11/2005 ⁽⁵⁾	04/11/2015	Common Stock	30,000	30,000	D	

