FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL								
OMB Number: 3235-02								
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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

		T																	
Name and Address of Reporting Person* SPUDICH JAMES A						2. Issuer Name and Ticker or Trading Symbol CYTOKINETICS INC [CYTK]									Relationship of Reporting Person(s) to Issue (Check all applicable) X Director 10% Owner				
(Last) (First) (Middle)						3. Date of Earliest Transaction (Month/Day/Year) 09/05/2007										irector fficer (give title elow)		10% O Other (below)	
280 EAS	4. If A	If Amendment, Date of Original Filed (Month/Day/Year)										6. Individual or Joint/Group Filing (Check Applicable							
(Street) SOUTH SAN GA 04000					, , , , , ,									Line) X Form filed by One Reporting Person Form filed by More than One Reporting					
FRANCISCO CA 94080												Person							
(City)	(S	tate)	(Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					2A. Deemed Execution Date, if any (Month/Day/Year)		Code (In	Transaction Dispose Code (Instr. and 5)		urities Acquired (A) sed Of (D) (Instr. 3, 4			Securit Benefic Owned	ies cially	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership		
								Code	v	Amoun	t (A	or	Price			(Inst	tr. 4)	(Instr. 4)	
Common	Stock			09/05/2	2007	007			S ⁽¹⁾		2,60	00 D		\$4.9	_	199,000		0 D	
Common				09/05/2					S ⁽¹⁾		200	-	D \$		_	198,800		D	
Common Stock 09/05/2007 S ⁽¹⁾ Table II - Derivative Securities Acquired, Disposed														\$4.9° ially		8,600	<u> </u>	D	
		1		(e.g., p	uts, ca		, war		s, options	s, c	onverti	ble se	curiti	•					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	emed on Date, /Day/Year)		Fransaction Code (Instr.		n Number Ex		6. Date Exercisable a Expiration Date Month/Day/Year)		Amount of Securities Underlying Derivative Security (Ins and 4)		r. 3	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	у	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		piration	Title	or	ount nber ires					
Non- Qualified Stock Option (right to buy)	\$1.2								07/10/2002 ⁽²	07	//10/2012	Commo Stock	10,	,000		10,000		D	
Non- Qualified Stock Option (right to buy)	\$5.55								05/19/2005	05	/19/2015	Commo Stock	7,:	500		7,500		D	
Non- Qualified Stock Option (right to buy)	\$6.55								05/24/2007	05	/24/2017	Commo Stock	7,	500		7,500		D	
Non- Qualified Stock Option (right to buy)	\$7.29								05/25/2006	05	/25/2016	Commo Stock	7,:	500		7,500		D	

Explanation of Responses:

- 1. The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 8, 2007.
- 2. This option is immediately exercisable upon grant and shall vest as to 417 shares on 06/01/02 and the balance of 9,583 divided into equal monthly installments thereafter such that the option shall be 100% vested on 05/01/04.

By: James H. Sabry For: James A. Spudich

** 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.