FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL									
OMB Number: 3235-02									
Estimated average burden									
hours per response:	0.5								

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

							. ,				. ,										
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 Issuer (Check all applicable)     X Director 10% Owner							
							Date of Earliest Transaction (Month/Day/Year)														
(Last)	(Last) (First) (Middle)					05/22/2006									below	r (give title		Other ( below)	specily		
280 EAST GRAND AVENUE					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable						
(Street)															Line) X Form filed by One Reporting Person						
	SOUTH SAN CA 94080											Form filed by More than One Reporting									
FRANC	ISCO C	n ;	74000												Perso	n					
(City)	(Si	tate) (	Zip)																		
		Tab	le I - N	on-Deriv	ative	Sec	uriti	es A	cquired, [	Disp	osed o	of, or B	enefi	ciall	y Owne	d					
Date				2. Transac Date (Month/Da		2A. Deemed Execution Date, if any (Month/Day/Year)			Code (In	Transaction Dis			4. Securities Acquired (AD Disposed Of (D) (Instr. 3 and 5)			unt of ies cially	6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership		
									Code	v	Amoun	t (A)		rice			(Instr. 4)		(Instr. 4)		
Common Stock				05/22/2006		6			S <sup>(1)</sup>		500	) 1	) (	\$7.32	232,900		D				
Common Stock 05				05/22/2	2006				S <sup>(1)</sup>		400	) [	)	\$7.3	23	232,500		D			
Common Stock 0				05/22/2	05/22/2006				<b>S</b> <sup>(1)</sup>		500	) 1	) ;	\$7.29	232,000			D			
Common Stock			05/22/2006				S <sup>(1)</sup>		800	)   1	) (	\$7.25	23	31,200		D					
		Т	able II						uired, Di						Owned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	if any	<del>```</del>	4. Transac	ransaction		ber vative rities uired or osed ) r. 3, d 5)	6. Date Exer Expiration I (Month/Day	cisal Date	ole and	and Amount of Securities Underlying Derivative Security (Instr. and 4)			3. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirect (I) (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr.	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisable	Ex Da	piration	Title	Amo or Num of Shar	ber							
Non- Qualified Stock Option (right to buy)	\$1.2								07/10/2002 <sup>(2</sup>	07	/10/2012	Commor Stock	10,0	000		10,000		D			
Non- Qualified Stock Option (right to buy)	\$5.55								05/19/2005	05	/19/2015	Commor Stock	7,5	00		7,500		D			

## **Explanation of Responses:**

- $1. \ The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 2, 2005.$
- 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

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

<sup>\*\*</sup> Signature of Reporting Person Date

 $<sup>^{\</sup>star}$  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.