Sabry James H Form 4 December 17, 2009

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Check this box if no longer subject to Section 16.

Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Sabry James H

2. Issuer Name and Ticker or Trading Symbol

12/15/2009

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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Number:

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burden hours per

CYTOKINETICS INC [CYTK]

(Middle)

(Check all applicable)

(Last) (First) 3. Date of Earliest Transaction (Month/Day/Year)

_X__ Director 10% Owner Other (specify Officer (give title below)

6. Individual or Joint/Group Filing(Check

280 EAST GRAND AVENUE

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SOUTH SAN FRANCISCO, CA 94080

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secur	ities Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit onor Dispos (Instr. 3,	ed of		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)
Common Stock	12/15/2009		M(1)	17,200	A	\$ 1.2	17,200	D	
Common Stock	12/15/2009		M(1)	17,300	A	\$ 0.58	34,500	D	
Common Stock	12/15/2009		S(2)	900	D	\$ 3	33,600	D	
Common Stock	12/15/2009		S(2)	2,500	D	\$ 3.01	31,100	D	
Common Stock	12/15/2009		S(2)	1,400	D	\$ 3.02	29,700	D	

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Common Stock	12/15/2009	S(2)	200	D	\$ 3.03	29,500	D
Common Stock	12/15/2009	S(2)	1,500	D	\$ 3.04	28,000	D
Common Stock	12/15/2009	S(2)	7,100	D	\$ 3.05	20,900	D
Common Stock	12/15/2009	S(2)	500	D	\$ 3.0525	20,400	D
Common Stock	12/15/2009	S(2)	300	D	\$ 3.055	20,100	D
Common Stock	12/15/2009	S(2)	200	D	\$ 3.0625	19,900	D
Common Stock	12/15/2009	S(2)	2,356	D	\$ 3.06	17,544	D
Common Stock	12/15/2009	S(2)	4,044	D	\$ 3.07	13,500	D
Common Stock	12/15/2009	S(2)	3,000	D	\$ 3.08	10,500	D
Common Stock	12/15/2009	S(2)	3,634	D	\$ 3.09	6,866	D
Common Stock	12/15/2009	S(2)	3,000	D	\$ 3.1	3,866	D
Common Stock	12/15/2009	S(2)	1,700	D	\$ 3.11	2,166	D
Common Stock	12/15/2009	S(2)	1,866	D	\$ 3.12	300	D
Common Stock	12/15/2009	S(2)	300	D	\$ 3.13	0	D
Common Stock	12/16/2009	M <u>(1)</u>	20,000	A	\$ 0.58	20,000	D
Common Stock	12/16/2009	S(2)	200	D	\$ 2.95	19,800	D
Common Stock	12/16/2009	S(2)	4,000	D	\$ 2.96	15,800	D
Common Stock	12/16/2009	S(2)	2,300	D	\$ 2.97	13,500	D
Common Stock	12/16/2009	S(2)	1,050	D	\$ 2.98	12,450	D
Common Stock	12/16/2009	S(2)	2,566	D	\$ 2.99	9,884	D
	12/16/2009	S(2)	2,584	D	\$ 3	7,300	D

Common Stock							
Common Stock	12/16/2009	S(2)	1,696	D	\$ 3.01	5,604	D
Common Stock	12/16/2009	S(2)	1,000	D	\$ 3.02	4,604	D
Common Stock	12/16/2009	S(2)	2,504	D	\$ 3.03	2,100	D
Common Stock	12/16/2009	S(2)	1,600	D	\$ 3.04	500	D

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

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 control number.

SEC 1474

(9-02)

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. Transactic Code (Instr. 8)	5. DrNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	4, and 5)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				

Sabry James H
280 EAST GRAND AVENUE X
SOUTH SAN FRANCISCO, CA 94080

Signatures

James H. Sabry M.D., Ph.D. 12/17/2009

Reporting Owners 3

**Signature of Reporting
Person

Date

Explanation of Responses:

- * 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).
- (1) The exercise reported in this Form 4 was effected pursuant to a domestic relations court order.
- (2) The sales reported in this Form 4 were effected pursuant to a domestic relations court order.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 4