

Sabry James H  
 Form 4  
 December 17, 2009

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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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 OF SECURITIES**

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

(Print or Type Responses)

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

2. Issuer Name and Ticker or Trading Symbol  
 CYTOKINETICS INC [CYTK]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 280 EAST GRAND AVENUE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 12/15/2009

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

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

SOUTH SAN FRANCISCO, CA 94080

(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	12/15/2009		M <sup>(1)</sup>	17,200 A \$ 1.2	17,200	D	
Common Stock	12/15/2009		M <sup>(1)</sup>	17,300 A \$ 0.58	34,500	D	
Common Stock	12/15/2009		S <sup>(2)</sup>	900 D \$ 3	33,600	D	
Common Stock	12/15/2009		S <sup>(2)</sup>	2,500 D \$ 3.01	31,100	D	
Common Stock	12/15/2009		S <sup>(2)</sup>	1,400 D \$ 3.02	29,700	D	

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

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

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

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(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. 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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Beneficially (Instr. 5)
				Code	V (A) (D)	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  
SOUTH SAN FRANCISCO, CA 94080

X

## Signatures

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

\_\_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.

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