

Sabry James H  
 Form 4  
 December 17, 2009

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 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 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 Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount		
Common Stock	12/16/2009		S <sup>(1)</sup>		500	D	
					\$ 3.09		
					0		D

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

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SEC 1474 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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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 Underlying Security (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Incentive Stock Option (right to buy)	\$ 0.58	12/15/2009		M	17,300	11/14/2000 <sup>(2)</sup>	11/14/2010	Common Stock
Incentive Stock Option (right to buy)	\$ 0.58	12/16/2009		M	20,000	11/14/2000 <sup>(2)</sup>	11/14/2010	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 1.2	12/15/2009		M	17,200	07/10/2002 <sup>(3)</sup>	07/10/2012	Common Stock
Incentive Stock Option (right to buy)	\$ 1.2					07/10/2002 <sup>(3)</sup>	07/10/2012	Common Stock
Incentive Stock Option (right to buy)	\$ 1.2					05/21/2003 <sup>(4)</sup>	05/21/2013	Common Stock
Incentive Stock Option (right to buy)	\$ 6.5					04/08/2004 <sup>(5)</sup>	03/08/2014	Common Stock
Incentive Stock Option (right to buy)	\$ 6.59					04/11/2005 <sup>(6)</sup>	04/11/2015	Common Stock
Incentive Stock Option (right to buy)	\$ 6.81					04/01/2007 <sup>(7)</sup>	03/14/2017	Common Stock
Incentive Stock Option (right to buy)	\$ 7.15					03/01/2006 <sup>(8)</sup>	03/01/2016	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 6.5					04/08/2004 <sup>(5)</sup>	03/08/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 6.59					04/11/2005 <sup>(6)</sup>	04/11/2015	Common Stock
Non-Qualified Stock Option	\$ 6.81					04/01/2007 <sup>(7)</sup>	03/14/2017	Common Stock

(right to buy)

Non-Qualified

Stock Option \$ 7.15

(right to buy)

03/01/2006<sup>(8)</sup> 03/01/2016Common  
Stock

## 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 sales reported in this Form 4 were effected pursuant to a domestic relations court order.

(2) When the ISO and NQ dated 11/14/00 are combined for a total grant of 250,000 shares, the option is immediately exercisable upon grant and shall vest as to 4,167 shares on 12/14/00 and the balance of 245,833 divided into equal monthly installments thereafter such that the option shall be 100% vested on 11/14/05.

(3) When the ISO and NQ dated 07/10/02 are combined for a total grant of 300,000 shares, the option is immediately exercisable upon grant and shall vest as to 5,000 shares on 04/15/02 and the balance of 295,000 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/15/07.

(4) This option is immediately exercisable upon grant and shall vest as to 1,563 shares on 04/01/03 and the balance of 73,437 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/01/07.

(5) When the ISO and NQ dated 03/08/04 are combined for a total grant of 86,500 shares, the option shall vest and become exercisable as to 1,802 shares on 04/08/04 and the balance of 84,698 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/08/08.

(6) When the ISO and NQ dated 04/11/05 are combined for a total grant of 85,000 shares, the option shall vest and become exercisable as to 85,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2009.

(7) When the ISO and NQ dated 03/14/2007 are combined for a total grant of 100,000 shares, the option shall vest and become exercisable as to 2,083 shares on 04/01/07 and the balance of 97,917 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/01/11.

(8) When the ISO and NQ dated 03/01/2006 are combined for a total grant of 150,000 shares, the option shall vest and become exercisable as to 150,000 shares divided into equal monthly installments such that the option shall be 100% vested on 03/01/2010.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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