

Sabry James H
 Form 4
 May 14, 2010

FORM 4

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

OMB APPROVAL

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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

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

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 05/12/2010

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 ___ Officer (give title below) ___X___ Other (specify below)
 Former Executive Chairman

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

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)
			Code	V	Amount	(A) or (D)	Price
Common Stock	05/12/2010		M ⁽¹⁾		10,000	A	\$ 1.2
Common Stock	05/12/2010		S ⁽²⁾		10,000	D	\$ 3 0

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

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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 Underlying Security (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Non-Qualified Stock Option (right to buy)	\$ 1.2	05/12/2010		M	10,000	07/10/2002 ⁽³⁾	07/10/2012	Common Stock
Incentive Stock Option (right to buy)	\$ 0.58					11/14/2000 ⁽⁴⁾	11/14/2010	Common Stock
Incentive Stock Option (right to buy)	\$ 1.2					07/10/2002 ⁽³⁾	07/10/2012	Common Stock
Incentive Stock Option (right to buy)	\$ 1.2					05/21/2003 ⁽⁵⁾	05/21/2013	Common Stock
Incentive Stock Option (right to buy)	\$ 6.5					04/08/2004 ⁽⁶⁾	03/08/2014	Common Stock
Incentive Stock Option (right to buy)	\$ 6.59					04/11/2005 ⁽⁷⁾	04/11/2015	Common Stock
Incentive Stock Option (right to buy)	\$ 6.81					04/01/2007 ⁽⁸⁾	03/14/2017	Common Stock
Incentive Stock Option (right to buy)	\$ 7.15					03/01/2006 ⁽⁹⁾	03/01/2016	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 6.5					04/08/2004 ⁽⁶⁾	03/08/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 6.59					04/11/2005 ⁽⁷⁾	04/11/2015	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 6.81					04/01/2007 ⁽⁸⁾	03/14/2017	Common Stock

Non-Qualified
Stock Option \$ 7.15
(right to buy)

03/01/2006⁽⁹⁾ 03/01/2016 Common
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				Former Executive Chairman

Signatures

By: Sharon Barbari For: James H. Sabry, M.D.,
Ph.D. 05/13/2010

__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.
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.
 - (3) 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.
 - (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.
 - (9)

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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