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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

		of Reporting Persor	n*						cker or Trad						elationship eck all appli		ng Pe	rson(s) to Is	ssuer			
Sabry James H						CYTOKINETICS INC [ CYTK ]  3. Date of Earliest Transaction (Month/Day/Year)									X Director			10% Owner				
(Last)	,	(First) (Middle)				12/15/2009									below)	(give title		Other (	specify			
280 EAST GRAND AVENUE					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)										6. Individual or Joint/Group Filing (Check App Line)						
(Street) SOUTH SAN FRANCISCO CA 94080														X Form filed by One Reporting Person Form filed by More than One Reporting Person								
(City)	(S	(State) (Zip)																				
		Tab	le I - N	lon-Deri	vative	Sec	urit	ies Ac	quired, l	Disp	osed o	f, or	Bene	ficial	ly Owned	t						
1. Title of Security (Instr. 3)  2. Transac Date (Month/Da					Exe if a	ny	med on Date, Day/Year	Transaction Disposed Code (Instr. and 5)		rities Acquired ( ed Of (D) (Instr. :			Securiti Benefici Owned	es F ially (	Forn (D) o	i. Ownership Form: Direct D) or ndirect (I)	7. Nature of Indirect Beneficial Ownership					
									Code	v	Amount	(/	A) or D)	Price	Reporte Transac	Following (I Reported Transaction(s) (Instr. 3 and 4)		r. 4)	(Instr. 4)			
Common	Stock			12/16/2009					S <sup>(1)</sup>		500	0 D		\$3.09	0			D				
			Tab						quired, Di s, options						wned							
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Executi if any	A. Deemed xecution Date,		4. Transaction Code (Instr.		lumber ivative curities quired or posed D) str. 3, 4	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Se (Instr. 3 and		ecurity	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership				
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	OI N Of	umber								
Incentive Stock Option (right to buy)	\$0.58	12/15/2009			M		(A)		11/14/2000		1/14/2010	Comm	non 1	7,300	\$0	70,26	7	D				
Incentive Stock Option (right to buy)	\$0.58	12/16/2009			M			20,000	11/14/2000	(2) 1	1/14/2010	Comn	1 7	0,000	\$0	50,26	7	D				
Non- Qualified Stock Option (right to buy)	\$1.2	12/15/2009			M			17,200	07/10/2002	(3) 0	7/10/2012	Comn		7,200	\$0	105,45	55	D				
Incentive Stock Option (right to buy)	\$1.2								07/10/2002	(3) 0	7/10/2012	Comn		7,132		7,132	2	D				
Incentive Stock Option (right to buy)	\$1.2								05/21/2003	(4) 0	5/21/2013	Comn		5,000		75,000	0	D				
Incentive Stock Option (right to buy)	\$6.5								04/08/2004	(5) 0	3/08/2014	Comn		6,943		66,94.	3	D				

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. Transac Code (Ir 8)		of Der Sec Acq (A) Disp	posed D) str. 3, 4	6. Date Exerc Expiration Di (Month/Day/\)	ate	7. Title at Amount of Securities Underlyit Derivativ (Instr. 3 a	of s ng e Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Incentive Stock Option (right to buy)	\$6.59							04/11/2005 <sup>(6)</sup>	04/11/2015	Common Stock	15,154		15,154	D	
Incentive Stock Option (right to buy)	\$6.81							04/01/2007 <sup>(7)</sup>	03/14/2017	Common Stock	11,091		11,091	D	
Incentive Stock Option (right to buy)	\$7.15							03/01/2006 <sup>(8)</sup>	03/01/2016	Common Stock	18,464		18,464	D	
Non- Qualified Stock Option (right to buy)	\$6.5							04/08/2004 <sup>(5)</sup>	03/08/2014	Common Stock	19,557		19,557	D	
Non- Qualified Stock Option (right to buy)	\$6.59							04/11/2005 <sup>(6)</sup>	04/11/2015	Common Stock	69,846		69,846	D	
Non- Qualified Stock Option (right to buy)	\$6.81							04/01/2007 <sup>(7)</sup>	03/14/2017	Common Stock	88,909		88,909	D	
Non- Qualified Stock Option (right to buy)	\$7.15							03/01/2006 <sup>(8)</sup>	03/01/2016	Common Stock	131,536		131,536	D	

## **Explanation of Responses:**

- 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.

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

\*\* Signature of Reporting Person

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

- \* 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.

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