

HOMCY CHARLES J  
 Form 4  
 May 25, 2007

**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 \*  
**HOMCY CHARLES J**

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

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
 (Month/Day/Year)  
**05/24/2007**

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)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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 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)	Code	V	Amount	(D)	Price

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	2. Conversion or Exercise	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any	4. Transaction Code	5. Number of Derivative Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
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(Instr. 3)	Price of Derivative Security	(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 6.55	05/24/2007	A	7,500					05/24/2007	05/24/2017	Common Stock	7
Non-Qualified Stock Option (right to buy)	\$ 1.2								03/19/2003 <sup>(1)</sup>	03/19/2013	Common Stock	3
Non-Qualified Stock Option (right to buy)	\$ 1.2								05/21/2003 <sup>(2)</sup>	05/21/2013	Common Stock	1
Non-Qualified Stock Option (right to buy)	\$ 5.55								05/19/2005	05/19/2015	Common Stock	7
Non-Qualified Stock Option (right to buy)	\$ 7.29								05/25/2006	05/25/2016	Common Stock	7

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HOMCY CHARLES J 280 EAST GRAND AVENUE SOUTH SAN FRANCISCO, CA 94080	X			

## Signatures

By: James H. Sabry For: Charles Homcy  
 Date: 05/24/2007

\*\*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) This option is immediately exercisable upon grant and shall vest as to 833 shares on 03/13/03 and the balance of 29,167 divided into equal monthly installments thereafter such that the option shall be 100% vested on 02/13/06.
- (2) This option is immediately exercisable upon grant and shall vest as to 521 shares on 04/03/03 and the balance of 11,979 divided into equal monthly installments thereafter such that the option shall be 100% vested on 03/03/05.

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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