

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.

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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)

| 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 ⁽¹⁾ | 03/19/2013 | Common Stock | 3 |
| Non-Qualified Stock Option (right to buy) | \$ 1.2 | | | | | | | | 05/21/2003 ⁽²⁾ | 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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