CYTOKINETICS INC

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4 April 07, 2005

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(City)

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person *

MCDADE MARK

(First) (Middle)

280 EAST GRAND AVENUE

(Street)

(State)

04/05/2005

2. Issuer Name and Ticker or Trading

Symbol CYTOKINETICS INC [CYTK]

3. Date of Earliest Transaction

(Month/Day/Year)

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

X_ Director 10% Owner Officer (give title Other (specify below)

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

SOUTH SAN FRANCISCO, CA 94080

1.Title of 2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

(Zip)

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Code V Amount (D) Price

(A)

or

5. Amount of Securities Beneficially Owned Following Reported

Transaction(s)

(Instr. 3 and 4)

6. Ownership Form: Direct (I)

7. Nature of Indirect (D) or Indirect Beneficial Ownership

(Instr. 4) (Instr. 4)

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative

Security

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Ar Underlying Se (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr.	8)	Acquired (or Dispose (D) (Instr. 3, 4, and 5)	d of			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title
Non-Qualified Stock Option (right to buy)	\$ 6.78	04/05/2005		A		10,000		04/05/2006(1)	04/05/2015	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
FB	Director	10% Owner	Officer	Other			
MCDADE MARK 280 EAST GRAND AVENUE SOUTH SAN FRANCISCO, CA 94080	X						

Signatures

By: Sharon Surrey-Barbari For: Mark McDade 04/07/2005

**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 shall vest and become exercisable as to 10,000 shares divided into equal annual installments such that the option shall be 100% vested on 04/05/2008.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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