HEIDRICH A GRANT III

Form 4

November 29, 2004

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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OMB APPROVAL

Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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

1(b).

(Last)

(Print or Type Responses)

1. Name and Address of Reporting Person
HEIDRICH A GRANT III

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Middle)

(7:m)

CYTOKINETICS INC [CYTK]

(Check all applicable)

2800 SAND HILL ROAD, SUITE

(Street)

(Ctata)

(First)

250

3. Date of Earliest Transaction

(Month/Day/Year) 11/24/2004

X Director Officer (give title __X_ Other (specify below)

10% Owner

below) See Explanation of Responses

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

MENLO PARK, CA 94025

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secur	ities Acqui	red, Disposed of,	or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit for Dispos (Instr. 3,	ed of		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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	11/24/2004		S	70,870	D	\$ 8.5576	1,805,488	I (1) (2)	by MF IX
Common Stock	11/26/2004		S	9,500	D	\$ 8.7235	1,795,988	I (1) (2)	by MF IX
Common Stock	11/29/2004		S	14,630	D	\$ 8.8013	1,781,358	I (1) (2)	by MF IX
Common Stock	11/24/2004		S	3,730	D	\$ 8.5576	95,025	I (1) (2)	by MFAIV
Common Stock	11/26/2004		S	500	D	\$ 8.7235	94,525	I (1) (2)	by MF AIV

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Common Stock	11/29/2004	S	770	D	\$ 8.8013	93,755	I (1) (2)	by MF AIV
Common Stock						29,040	I (3)	TTEE

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)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transact Code (Instr. 8)	5. ionNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	S	ate	7. Title Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Kelationships							
Transfer and the same and the s	Director	10% Owner	Officer	Other				
HEIDRICH A GRANT III 2800 SAND HILL ROAD SUITE 250 MENLO PARK, CA 94025	X			See Explanation of Responses				

Signatures

James T. Beck, Attorney-In-Fact for the Reporting
Person

11/29/2004

**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 Reporting Person is a Managing Director of Mayfield IX Management, LLC, which is the sole General Partner of each of Mayfield IX (MF IX) and Mayfield Associates Fund IV (MF AIV). The Reporting Person may be deemed to have shared voting and dispositive

Reporting Owners 2

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power over the shares which are or may be deemed to be beneficially owned by MF IX and MF AIV, but disclaims such beneficial ownership, except to the extent of his pecuniary interest therein.

- (2) The filing of this statement shall not be deemed an admission that, for the purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise, the Reporting Person is the beneficial owner of equity securities covered by this statement.
- (3) The Reporting Person is a Trustee of certain family trusts.

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.