FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
hours per response:	0.5							

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

Name and Address of Reporting Person*     DOW STEPHEN M					CY	2. Issuer Name and Ticker or Trading Symbol  CYTOKINETICS INC [ CYTK ]									ationship k all appli Directo	,		rson(s) to Is	
(Last)	(Fi	rst) (	Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/21/2009									Officer (give title below)			Other (s	specify
C/O SEVIN ROSEN FUNDS 13455 NOEL ROAD, SUITE 1670						4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)					
(Street)	S T2	K 7	75240											X		iled by Mor		orting Person	- 1
(City)	(St	ate) (	Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3)  2. Transact Date (Month/Day						Execution Date,			Transaction Dispose Code (Instr. and 5)		rities Acquired (A) o ed Of (D) (Instr. 3, 4			5. Amou Securiti Benefic Owned Followi	ies Fo cially (D In		n: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) or (D)		ce	Reported Transaction(s) (Instr. 3 and 4)		(IIIS	4)	(111501.4)
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. Transaction Code (Instr 8)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		o D S (I	Price f erivative ecurity nstr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	у	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	Amou or Numb of Share	er					
Stock Option (Right To Buy)	\$1.85	05/21/2009			A		15,000		06/21/2009 <sup>(1)</sup>	05	5/21/2019	Common Stock	15,00	0	\$0	15,000		D	

## Explanation of Responses:

 $1. \ Stock \ Options \ vest \ and \ are \ exercisable \ monthly \ over \ a \ period \ of \ twelve \ months, \ and \ are \ fully \ vested \ on \ May \ 21, \ 2010$ 

John V. Jaggers, As Attorney-In-Fact 05/22/2009

\*\* Signature of Reporting Person Date

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.

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 Number.