

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* RICKEY DAVID			2. Issuer Name and Ticker or Trading Symbol CYTORI THERAPEUTICS, INC. [CYTX]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 04/30/2009			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
3020 CALLAN ROAD			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) SAN DIEGO CA 92121								
(City) (State) (Zip)								

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 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)
			Code	V	Amount	(A) or (D)	Price			
Restricted Stock Award (Common Stock) ⁽¹⁾	04/30/2009		A		4,106	A	\$0	4,106	D	
Common Stock								124,800	I	By Trust ⁽²⁾
Common Stock								8,849	I	By Charitable Foundation ⁽³⁾
Common Stock								34,909	I	By Family Partnership ⁽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)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)					

Explanation of Responses:

- The Restricted Stock Award ("Award") vests in full on December 31, 2009, unless Mr. Rickey voluntarily resigns prior to 12/31/09, or if he is nominated, but declines to stand for re-election at the Company's 2009 Annual Meeting. Vesting of the Award will be accelerated upon Mr. Rickey's death or failure to be re-elected at the Company's 2009 Annual Meeting.
- These securities are owned by David Rickey, TTEE FBO the David Rickey Trust.
- These securities are owned by the Dave Rickey and Daughters Foundation.
- Pursuant to General Instruction 4(b)(iv) of Form 4, the undersigned, David Rickey, is a limited partner of the Rickey Family Limited Partnership whose holdings of the Company are being reported here in their entirety. The undersigned disclaims beneficial ownership of all but his proportionate interest in such securities.

Remarks:

Jonathan E. Soneff, By Power of Attorney For: David Rickey 05/04/2009

** 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.