SEC Form 4	
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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

OMB APPROVAL OMB Number: 3235-0287

	Estimated average burden	
	hours per response:	0.5
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1. Name and Addres	ss of Reporting Persor VID	1*	2. Issuer Name and Ticker or Trading Symbol <u>CYTORI THERAPEUTICS, INC.</u> [CYTX]		tionship of Reporting Perso all applicable) Director	n(s) to Issuer 10% Owner
(Last) 3020 CALLAN	act) (Eirct) (Middlo)		3. Date of Earliest Transaction (Month/Day/Year) 01/21/2010		Officer (give title below)	Other (specify below)
(Street) SAN DIEGO CA 92121		92121	4. If Amendment, Date of Original Filed (Month/Day/Year) 01/21/2010	6. Indiv Line) X	Check Applicable ting Person Dne Reporting	
(City)	(State)	(Zip)			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)					5. Amount of Securities Beneficially Owned Following Benorted	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	Reported Transaction(s) (Instr. 3 and 4)		(1150. 4)
Common Stock	01/21/2010		М		5,625	A	\$4.4	130,425	Ι	By Trust ⁽¹⁾
Common Stock	01/21/2010		М		4,375	A	\$3.12	134,800	I	By Trust ⁽¹⁾
Common Stock								20,911	I	By Charitable Foundation ⁽²⁾
Common Stock								34,909	Ι	By Family Partnership ⁽³⁾

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. Transa Code (8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		n of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		Expiration Date (Month/Day/Year)		Expiration Date		Expiration Date		Expiration Date		Expiration Date (Month/Day/Year) S		e and 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)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares																		
Non- Qualified Stock Option (right to buy)	\$4.4	01/21/2010		м			5,625	02/28/2003 ⁽⁴⁾	01/28/2013	Common Stock	5,625	\$0	124,375	D															
Non- Qualified Stock Option (right to buy)	\$3.12	01/21/2010		М			4,375	03/02/2005 ⁽⁴⁾	02/02/2015	Common Stock	4,375	\$0	120,000	D															

Explanation of Responses:

1. These securities are owned by David Rickey, TTEE FBO the David Rickey Trust.

2. These securities are owned by the Dave Rickey and Daughters Foundation.

3. These securities are owned by the Rickey Family Limited Partnership.

4. The stock options vested 1/48th each month from date of grant.

Remarks:

Jonathan E. Soneff, By Power

01/22/2010 of Attorney For: David Rickey

** 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.