## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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	OMB Number:	3235-0287
	Estimated average burde	n
1	hours por rosponso:	0.5

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* <u>HEDRICK MARC H</u>				2. Issuer Name and Ticker or Trading Symbol  CYTORI THERAPEUTICS, INC. [ CYTX ]								(Che	5. Relationship of Reporting Person(s) to Is (Check all applicable)  X Director 10%						
(Last) (First) (Middle) 3020 CALLAN ROAD				3. Date of Earliest Transaction (Month/Day/Year) 01/27/2011								_ >	X Officer (give title below) Other (specify below)  President						
(Street) SAN DIEGO CA 92121				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								Line)	dividual or Joint/Group Filing (Check Applicable )  K Form filed by One Reporting Person Form filed by More than One Reporting					
(City)	(S	tate)	(Zip)												Person	l			
		Tal	ole I - Nor			Se				, Dis	_								
Dat			Date	Transaction te onth/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		, Tran	Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			5. Amour Securitie Beneficia Owned F Reported	s ally ollowing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of ndirect Beneficial Ownership Instr. 4)	
								Code	e v	Amount	(A (E	A) or D)	Price	Transact	ansaction(s) str. 3 and 4)				
Common Stock														448	448,238		D		
Common Stock														4,0	4,000		I 1	By IRA	
Common Stock												7,8	7,800		I 1	By Family Trust			
	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)	Derivative Conversion Date Execution Date, Transcription or Exercise (Month/Day/Year) if any			ransac Code (Ir	tion of Ex			Expiration	. Date Exercisable and :xpiration Date Month/Day/Year)			7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				c	code	v	(A)	(D)	Date Exercisa	ble	Expiration Date	Title	N O	Amount or Jumber of Shares					
Employee Stock Option (Right to Buy)	\$5.57	01/27/2011			A		55,000		02/27/20	11 <sup>(1)</sup>	01/27/2021	Comn		55,000	\$0	715,00	00	D	
Warrant to Purchase Common Stock	\$2.62								05/12/2	009	05/12/2014	Comn		35,000		35,00	00	D	

## **Explanation of Responses:**

1. The Employee Stock Options vest 1/48th each month from date of grant.

## Remarks:

Jonathan E. Soneff, By Power of Attorney For: Marc H.

01/31/2011

**Hedrick** 

\*\* 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.