

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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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>Townsend John</u>	2. Date of Event Requiring Statement (Month/Day/Year) 11/18/2010	3. Issuer Name and Ticker or Trading Symbol <u>CYTORI THERAPEUTICS, INC. [ CYTX ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Controller</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)
(Last) (First) (Middle) 3020 CALLAN ROAD			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
(Street) SAN DIEGO CA 92121			
(City) (State) (Zip)			

## Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	250	D	

## Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Employee Stock Option	02/20/2005 <sup>(1)</sup>	01/20/2015	Common Stock	1,667	2.52	D	
Employee Stock Option	11/24/2005 <sup>(1)</sup>	10/24/2015	Common Stock	3,600	6.01	D	
Employee Stock Option	05/02/2007 <sup>(1)</sup>	04/02/2017	Common Stock	7,438	5.45	D	
Employee Stock Option	02/02/2009 <sup>(1)</sup>	01/02/2019	Common Stock	6,500	3.6	D	
Employee Stock Option	06/07/2009 <sup>(1)</sup>	05/07/2019	Common Stock	5,000	2.02	D	
Employee Stock Option	03/05/2010 <sup>(1)</sup>	02/05/2020	Common Stock	20,000	6.71	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: John  
Townsend

02/03/2011

\*\* 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 5 (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.