

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>REUTER BRUCE</u> (Last) (First) (Middle) <u>C/O CYTORI THERAPEUTICS, INC.</u> <u>3020 CALLAN ROAD</u> (Street) <u>SAN DIEGO CA 92121</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>11/09/2006</u>	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>Sen. VP Intern Sales, Marketin</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) <u>11/17/2006</u> 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

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)
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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				
Employee Stock Option (Right to Buy)	11/09/2006	01/02/2011	Common Stock	100,000	7.34	D
Employee Stock Option (Right to Buy)	11/09/2006	09/17/2011	Common Stock	35,000	2.51	D
Employee Stock Option (Right to Buy)	11/09/2006	02/08/2012	Common Stock	30,000	3.09	D
Employee Stock Option (Right to Buy)	11/09/2006	01/28/2013	Common Stock	29,895	4.4	D
Employee Stock Option (Right to Buy)	11/09/2006	06/02/2014	Common Stock	13,020	4.16	D
Employee Stock Option (Right to Buy)	11/09/2006	02/02/2015	Common Stock	12,396	3.12	D
Employee Stock Option (Right to Buy)	11/09/2006	01/24/2016	Common Stock	4,375	7.04	D

Explanation of Responses:

Remarks:

The purpose of this amendment to the Form 3 filed by the Reporting Person on November 17, 2006 is to correct the expiration dates of the derivative securities reported in Table II. All other information is unchanged.

Jonathan E. Soneff, By Power of Attorney For: Bruce Reuter 05/09/2007

** 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.