

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>CALHOUN CHRISTOPHER J</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. Issuer Name and Ticker or Trading Symbol <u>CYTORI THERAPEUTICS, INC. [CYTX]</u>	5. 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>Chief Executive Officer</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/10/2006</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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			
Common Stock	05/10/2006		M		11,877	A	\$0.15	161,877 ⁽¹⁾	D	
Common Stock (Sale Pursuant to Rule 10b5-1 Trading Plan)	05/10/2006		S		11,877	D	\$8.06	150,000	D	
Common Stock	05/11/2006		M		83	A	\$0.15	150,083	D	
Common Stock (Sale Pursuant to Rule 10b5-1 Trading Plan)	05/11/2006		S		83	D	\$8.09	150,000	D	

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)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		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)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Options (Right to Buy)	\$0.15	05/10/2006		M		11,877		01/01/1999 ⁽²⁾	01/01/2009	Common Stock	11,877	\$0	995,833	D	
Employee Stock Option (Right to Buy)	\$0.15	05/11/2006		M		83		01/01/1999 ⁽²⁾	01/01/2009	Common Stock	83	\$0	995,750	D	

Explanation of Responses:

- Since the reporting person's last report, 100,000 shares previously held indirectly through TTMC Investments, Inc., have been distributed and are now owned directly.
- The Employee Stock Options vested 25% on the first anniversary from the date of grant (01/01/1999) and at a rate of 1/48th each month thereafter.

Christopher J. Calhoun 05/12/2006

** 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.