

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>KESTEN STEVEN</u> (Last) (First) (Middle) 3020 CALLAN ROAD (Street) SAN DIEGO CA 92121 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 08/10/2015	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>Exec VP and Chief MO</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 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)
Common Stock	2,201	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				
Stock Option (Right to Buy)	(1)	01/31/2023	Common Stock	151,000	2.74	D
Stock Option (Right to Buy)	(2)	01/30/2025	Common Stock	160,000	0.48	D
Stock Option (Right to Buy)	(3)	04/11/2024	Common Stock	140,000	2.38	D
Stock Option (Right to Buy)	(4)	08/21/2024	Common Stock	90,000	1.4	D

Explanation of Responses:

- 25% of the option shares vest on January 31, 2014 with the remaining option shares vesting in 36 equal monthly installments thereafter.
- Option shares vest in 48 equal monthly installments from the vesting commencement date, January 30, 2015.
- Option shares vest in 48 equal monthly installments from the vesting commencement date, April 11, 2014.
- 50% of the option shares are immediately exercisable with the remaining 50% vesting on August 21, 2016.

Remarks:

/s/ Steven Kesten 08/19/2015
 ** 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.

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