#### **VASOMEDICAL INC**

Form 3

September 29, 2006

# FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person \* Statement VASOMEDICAL INC [VASO.OB] A Efstathiou Tricia (Month/Day/Year) 09/20/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) C/O VASOMEDICAL, (Check all applicable) INC., 180 LINDEN AVENUE (Street) 6. Individual or Joint/Group 10% Owner Director \_X\_\_ Officer Other Filing(Check Applicable Line) (give title below) (specify below) \_X\_ Form filed by One Reporting Chief Financial Officer Person WESTBURY, NYÂ 11590 Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Â Common Stock 15,829 D Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. 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 control number.

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

| 1. Title of Derivative | 2. Date Exercisable and | 3. Title and Amount of | 4.          | 5.         | 6. Nature of Indirect |
|------------------------|-------------------------|------------------------|-------------|------------|-----------------------|
| Security               | Expiration Date         | Securities Underlying  | Conversion  | Ownership  | Beneficial            |
| (Instr. 4)             | (Month/Day/Year)        | Derivative Security    | or Exercise | Form of    | Ownership             |
|                        |                         | (Instr. 4)             | Price of    | Derivative | (Instr. 5)            |
|                        | Date Exercisable        | Title                  | Derivative  | Security:  |                       |
|                        |                         |                        | Security    | Direct (D) |                       |

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|                                      | Expiration<br>Date |                     | Amount or<br>Number of<br>Shares |         | or Indirect (I) (Instr. 5) |   |
|--------------------------------------|--------------------|---------------------|----------------------------------|---------|----------------------------|---|
| 1999 Stock Option Plan 06/24/2000(1) | 06/23/2010         | Option to Purchase  | 15,000                           | \$ 4.28 | D                          | Â |
| 1999 Stock Option Plan 07/11/2001(1) | 07/10/2011         | Option to Purchase  | 30,000                           | \$ 3.96 | D                          | Â |
| 1999 Stock Option Plan 03/28/2003(2) | 03/27/2013         | Option to Purchase  | 30,000                           | \$ 0.91 | D                          | Â |
| 1999 Stock Option Plan 07/13/2004(2) | 07/12/2014         | Option to Purchase  | 20,000                           | \$ 1.11 | D                          | Â |
| 2004 Stock Option Plan 06/23/2005(2) | 06/22/2015         | Options to Purchase | 15,333                           | \$ 0.57 | D                          | Â |
| 2004 Stock Option Plan 09/21/2005(2) | 09/20/2015         | Option to Purchase  | 15,000                           | \$ 0.58 | D                          | Â |

# **Reporting Owners**

| Reporting Owner Name / Address  | Relationships |           |                         |       |  |
|---|---------------|-----------|-------------------------|-------|--|
| <b>Fg</b>   | Director      | 10% Owner | Officer                 | Other |  |
| Efstathiou Tricia<br>C/O VASOMEDICAL, INC.<br>180 LINDEN AVENUE<br>WESTBURY, NY 11590 | Â             | Â         | Chief Financial Officer | Â     |  |

## **Signatures**

/s/Tricia
Efstathiou

\*\*Signature of Reporting Person

O9/29/2006

Date

### **Explanation of Responses:**

- \* 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).
- (1) Options vest in equal installments over three years.
- (2) Options vest on May 31, 2006

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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