

ODonnell Kathleen M  
 Form 4  
 January 16, 2007

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549**

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 Person \*  
 ODonnell Kathleen M

2. Issuer Name and Ticker or Trading Symbol  
 BIODELIVERY SCIENCES INTERNATIONAL INC [BDSI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
 01/10/2007

\_\_\_\_ Director  
 \_\_\_\_ Officer (give title below)  
 10% Owner  
 \_\_\_\_ Other (specify below)

C/O MCCABE & O'DONNELL, 3101 NORTH CENTRAL AVENUE, SUITE 700

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_\_ Form filed by More than One Reporting Person

PHOENIX, AZ 85012

(City) (State) (Zip)

**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 Ownership (Instr. 4)			
				Code	V	Amount	(A) or (D)	Price		
Common Stock	01/10/2007		C		341,176	A	\$ 0 (1)	3,652,756	I	By HCG LLC (2)
Common Stock	01/10/2007		A		59,226 (3)	A	\$ 2.68	3,711,982	I	By HCG LLC (2)
Common Stock								167,500	I	Held by trust (4)
Common Stock								4,577	D	

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**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 Underlying Securities (Instr. 3 and 4)	8. Price or Amount of Shares
Warrants	\$ 6.3					06/24/2003 06/24/2007	Common Stock	5,000

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director    10% Owner    Officer    Other

O'Donnell Kathleen M  
C/O MCCABE & O'DONNELL  
3101 NORTH CENTRAL AVENUE, SUITE 700  
PHOENIX, AZ 85012

X

## Signatures

/s/Kathleen M.  
O'Donnell

01/12/2007

\*\*Signature of Reporting  
Person

Date

## Explanation of Responses:

\* 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).

(1) 341,176 shares of the Series B Convertible Stock were converted into 341,176 shares of common stock of the Issuer. No other consideration was paid.

(2) Owned by Hopkins Capital Group II, LLC, which is one third owned by the Francis E. O'Donnell Irrevocable Trust #1, of which the reporting party is Trustee.

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- (3) Reporting Person acquired 59,226 shares of common stock pursuant to the conversion of dividends accrued upon the Series B Convertible Stock.
- (4) Held by Francis E. O'Donnell Irrevocable Trust #1, of which the reporting party is Trustee.

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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