

BIODELIVERY SCIENCES INTERNATIONAL INC  
 Form 4  
 July 31, 2007

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
 MCNULTY JAMES A

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)  
 4419 W. SEVILLA STREET  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 07/27/2007

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

TAMPA, FL 33629  
 (City) (State) (Zip)

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

**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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| Common Stock                    |                                      |  |                                | (A) or (D)  | 76,371  | D  |                                   |
| Common Stock                    |                                      |  |                                | (A) or (D)  | 2,288   | I  | Via Family                        |

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

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SEC 1474 (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. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Option                                     | \$ 2.05  | 07/27/2007                           |  | A                              | 5,201   | 07/27/2007 07/27/2017                                    | Common Stock  | 5,201                         |
| Option                                     | \$ 2.94  | 07/28/2007                           |  | A                              | 8,729   | 07/28/2006 07/28/2016                                    | Common Stock  | 17,458                        |
| Option                                     | \$ 3.83  |                                      |  |                                |   | 08/14/2006 08/14/2016                                    | Common Stock  | 6,205                         |
| Option                                     | \$ 3.4   |                                      |  |                                |   | 10/21/2006 10/21/2016                                    | Common Stock  | 1,078                         |
| Option                                     | \$ 3.03  |                                      |  |                                |   | 12/01/2006 12/01/2015                                    | Common Stock  | 3,333                         |

## Reporting Owners

| Reporting Owner Name / Address                               | Relationships |           |                         |       |
|--|---------------|-----------|-------------------------|-------|
|  | Director      | 10% Owner | Officer                 | Other |
| MCNULTY JAMES A<br>4419 W. SEVILLA STREET<br>TAMPA, FL 33629 |               |           | Chief Financial Officer |       |

## Signatures

/s/ James A. McNulty  
07/31/2007

\*\*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).

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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