

BIOENVISION INC  
 Form 3  
 December 11, 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)

|   |   |  |  |   |  |
|---|---|--|--|---|--|
| <p>1. Name and Address of Reporting Person *</p> <p>Scibetta James S</p> <p>(Last) (First) (Middle)</p> <p>C/O BIOENVISION, INC. 345<br/>                 PARK AVENUE,, 41ST<br/>                 FLOOR</p> <p>(Street)</p> <p>NEW YORK, NY 10154</p> <p>(City) (State) (Zip)</p> | <p>2. Date of Event Requiring Statement</p> <p>(Month/Day/Year)</p> <p>12/04/2006</p> | <p>3. Issuer Name and Ticker or Trading Symbol</p> <p>BIOENVISION INC [BIVN]</p> | <p>4. Relationship of Reporting Person(s) to Issuer</p> <p>(Check all applicable)</p> <p><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br/> <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other<br/>                 (give title below) (specify below)<br/>                 Chief Financial Officer</p> | <p>5. If Amendment, Date Original Filed(Month/Day/Year)</p> | <p>6. Individual or Joint/Group Filing(Check Applicable Line)</p> <p><input checked="" type="checkbox"/> Form filed by One Reporting Person<br/> <input type="checkbox"/> Form filed by More than One Reporting Person</p> |
|---|---|--|--|---|--|

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security<br>(Instr. 4) | 2. Amount of Securities Beneficially Owned<br>(Instr. 4) | 3. Ownership Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 5) | 4. Nature of Indirect Beneficial Ownership<br>(Instr. 5) |
|------------------------------------|--|---|--|
|------------------------------------|--|---|--|

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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

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|                                    |       |            |                 | Shares  |          | or Indirect<br>(I)<br>(Instr. 5) |   |
|------------------------------------|-------|------------|-----------------|---------|----------|----------------------------------|---|
| Option to purchase<br>common stock | Â (1) | 12/04/2016 | Common<br>stock | 350,000 | \$ 4.995 | D                                | Â |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                           |       |
|--|---------------|-----------|---------------------------|-------|
|  | Director      | 10% Owner | Officer                   | Other |
| Scibetta James S<br>C/O BIOENVISION, INC. 345 PARK AVENUE,<br>41ST FLOOR<br>NEW YORK, NY 10154 | Â             | Â         | Â Chief Financial Officer | Â     |

## Signatures

/s/ James S.  
Scibetta

12/11/2006

Signature of  
Reporting Person

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) 100,000 vest on 12/4/06; 125,000 vest on 12/4/07; and 125,000 vest on 12/4/08.

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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