

BIO LOGIC SYSTEMS CORP  
 Form 3  
 October 26, 2005

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

OMB APPROVAL

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 Expires: January 31, 2005  
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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 Person \*  
 NATUS MEDICAL INC  
 (Last) (First) (Middle)

2. Date of Event Requiring Statement  
 (Month/Day/Year)  
 10/16/2005

3. Issuer Name and Ticker or Trading Symbol  
 BIO LOGIC SYSTEMS CORP [BLSC]

4. Relationship of Reporting Person(s) to Issuer

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

1501 INDUSTRIAL ROAD  
 (Street)

(Check all applicable)

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

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

SAN CARLOS, CA 94070  
 (City) (State) (Zip)

**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)

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  
 (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 of Derivative Security:  
 Direct (D)  
 or Indirect (I)  
 (Instr. 5)

6. Nature of Indirect Beneficial Ownership  
 (Instr. 5)

Date Exercisable Date Expiration Date

Title Amount or Number of Shares

