

Sterling Robert
Form 5
August 12, 2005

FORM 5

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

Check this box if
no longer subject
to Section 16.
Form 4 or Form
5 obligations
may continue.
See Instruction
1(b).
Form 3 Holdings
Reported
Form 4
Transactions
Reported

**ANNUAL 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

OMB APPROVAL

OMB
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1. Name and Address of Reporting Person *
Sterling Robert

(Last) (First) (Middle)

C/O BIOENVISION, INC., 345
PARK AVE., 41ST. FLOOR

(Street)

NEW YORK, NY 10154

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading
Symbol
BIOENVISION INC [BIVN]

3. Statement for Issuer's Fiscal Year Ended
(Month/Day/Year)
06/30/2005

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
____X____ Officer (give title below) ____ Other (specify below)
VP, Product Development

6. Individual or Joint/Group Reporting

(check applicable line)

____X____ 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) (A) or Amount (D) Price	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
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Reminder: Report on a separate line for each class of
securities beneficially owned directly or indirectly.

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SEC 2270
(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	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)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
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	Derivative Security				or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
					(A)	(D)				
Option to purchase Common Stock	\$ 8.17	01/06/2005	Â	A4	3,125	Â	01/06/2005	01/06/2015	Common Stock	3,125
Option to purchase Common Stock	\$ 8.17	01/06/2005	Â	A4	3,125	Â	01/06/2006	01/06/2015	Common Stock	3,125
Option to purchase Common Stock	\$ 8.17	01/06/2005	Â	A4	3,125	Â	01/06/2007	01/06/2015	Common Stock	3,125
Option to purchase Common Stock	\$ 8.17	01/06/2005	Â	A4	3,125	Â	01/06/2008	01/06/2015	Common Stock	3,125

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Sterling Robert C/O BIOENVISION, INC. 345 PARK AVE., 41ST. FLOOR NEW YORK,, NY 10154	Â	Â	Â VP, Product Development	Â

Signatures

/S/ Robert Sterling 08/12/2005

**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 provided 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.