

Gilman Michael
 Form 4
 February 22, 2005

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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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 *
 Gilman Michael

(Last) (First) (Middle)

14 CAMBRIDGE CENTER

(Street)

CAMBRIDGE, MA 02142

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 BIOGEN IDEC INC [BIIB]

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/17/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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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 Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership Indirect Beneficial Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

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 | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Security (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
|----------------------------------------------|------------------------------------|------------------|------------|------------------------------------------------------------------|------|---|-----|-----|---------------------|--------------------|-----------------|-------------------------------------|
| Stock Option (right-to-buy) <u>(1)</u> | \$ 67.57 | 02/17/2005 | A | 70,000 | | | | | <u>(2)</u> | 02/17/2015 | Common Stock | 70,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--------------------------------------------------------------|---------------|-----------|----------------|-------|
| | Director | 10% Owner | Officer | Other |
| Gilman Michael 14 CAMBRIDGE CENTER CAMBRIDGE, MA 02142 | | | EVP - Research | |

Signatures

By: Benjamin S. Harshbarger; For: Michael
Gilman

Date: 02/22/2005

 Signature of Reporting Person

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) Granted under one of the Issuer's stock option plans, in an exempt transaction under SEC rule 16(b)-3(d).
- (2) The stock option becomes exercisable in four (4) equal annual installments, commencing one year after the grant date of 02/17/05.

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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