

BIOGEN IDEC INC  
 Form 4  
 December 16, 2004

**FORM 4**

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

OMB APPROVAL

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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 \*  
 MULLEN JAMES C

(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)  
 12/13/2004

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)  
 CEO & President

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	12/13/2004		M		1,175 A \$ 16.9	1,175	D
Common Stock	12/13/2004		S(1)		1,175 D \$ 65.7667	0	D
Common Stock	12/13/2004		M		4,325 A \$ 15.54	46,000	D
Common Stock	12/13/2004		S(1)		325 D \$ 65.7667	45,675	D
Common Stock	12/13/2004		S(1)		1,000 D \$ 65.0119	44,675	D

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Common Stock	12/13/2004	S <sup>(1)</sup>	1,500	D	\$ 65.6947	43,175	D
Common Stock	12/13/2004	S <sup>(1)</sup>	1,500	D	\$ 65.68	41,675	D
Common Stock						94,252	D

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

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(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)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right-to-buy) <sup>(2)</sup>	\$ 16.9	12/13/2004		M	1,175	<sup>(3)</sup> 12/06/2006	Common Stock	1,175	
Stock Option (right-to-buy) <sup>(2)</sup>	\$ 15.54	12/13/2004		S	4,325	<sup>(4)</sup> 12/12/2007	Common Stock	4,325	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MULLEN JAMES C 14 CAMBRIDGE CENTER CAMBRIDGE, MA 02142	X		CEO & President	

## Signatures

By: Benjamin S. Harshbarger; For: James C.  
Mullen

12/16/2004

\_\_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).
- (1) Sale pursuant to a trading plan intended to comply with Rule 10b5-1 of the Securities Exchange Act of 1934.
- (2) Granted under one of the Issuer's stock option plans, in an exempt transaction under SEC rule 16(b)-3(d).
- (3) The stock option became exercisable in six (6) equal annual installments, commencing one year after the grant date of 12/06/96.
- (4) The stock option became exercisable in five (5) equal annual installments, commencing one year after the grant date of 12/12/97.

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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