FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APF	PROVAL
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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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>MULLEN JAMES C</u>						2. Issuer Name and Ticker or Trading Symbol BIOGEN IDEC INC. [BIIB]									all applica Director	able)	, Perso	on(s) to Issu 10% Ow	
(Last)	(First) (Middle) BRIDGE CENTER			3. Date of Earliest Transaction (Month/Day/Year) 03/19/2010								X	Officer (give title below) CEO &		Other (specif below) President		pecify		
(Street) CAMBR		IA	02142		4.	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	Form fil	ed by One	o Filing (Check Appli e Reporting Person re than One Reporti		
(City)	(S	itate)	(Zip)																
Table I - Non-Deriv 1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye				tion	2A. Deemed Execution Date		d Date,			Acquired (A) or Dispo		posed 5. Amou Securiti Benefici		s ally following	6. Owners Form: Dir (D) or Ind (I) (Instr. 4	: Direct I r Indirect I str. 4) (7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)				,
Common	Stock			03/19/2010				M ⁽¹⁾		287,500	A	\$51.	1.85 41		418,649		D		
Common	Stock			03/19/2010)			M ⁽¹⁾	Ш	46,721	A	\$49.	.03	465	,370		D	
Common	Stock			03/19/2	/19/2010)		S ⁽¹⁾		334,221	D	\$59.97	21 ⁽²⁾⁽³⁾ 13		31,149		D	
Common Stock			03/22/2010				M ⁽¹⁾	Ш	106,279	A	\$49.	.03	237	237,428		D			
Common Stock			03/22/2010					S ⁽¹⁾		106,279	D	\$59.9528(2)(4)		131,149 75,000		<u> </u>		2008 GRAT	
Common Stock																			
			Table	II - Deri (e.g.	vative , puts	Sec s, call	uriti Is, w	ies Ac ⁄arran	quire ts, o _l	ed, Dis	sposed of	, or Be	neficia curities	ılly Ov	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion	3. Transaction Date (Month/Day/Year)		ion Date, Tran		saction e (Instr. Securities Acquired (A or Dispose of (D) (Instr. 3, 4 and 5)				3610113	, converti						Owner: Form: Direct or Indi (I) (Inst	40	
	or Exercise Price of Derivative Security	Date	if any	ion Date,	Transa Code (Deri Seci Acq or D of (E	vative urities uired (A) isposed O) (Instr.	Exp (Mo		cisable and Date	7. Title a of Secu Underly	ing ve Securi	[B. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported	e s lly	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)
	Price of Derivative	Date	Execut if any	ion Date,	Transa Code (Deri Seci Acq or D of (E	vative urities uired (A) isposed O) (Instr.	Exp (Mo	ate Exer iration I nth/Day	cisable and bate Year)	7. Title a of Secu Underly Derivati	rities ing ve Securi	ity (Derivative Security	derivative Securities Beneficial Owned Following	e s lly	Ownership Form: Direct (D) or Indirect	of Indirect Beneficial Ownership
Non- qualified Stock Option (Right to Buy)	Price of Derivative	Date	Execut if any	ion Date,	Transa Code (8)	instr.	Deri Seci Acq or D of (E 3, 4	vative urities uired (A) isposed O) (Instr. and 5)	Exp (Mo	ate Exer iration I nth/Day	cisable and bate Year)	7. Title a of Secu Underly Derivati (Instr. 3	rities ring ve Securi and 4) Amou or Numb	int per ares	Derivative Security	derivative Securities Beneficial Owned Following Reported Transactio	e s lly	Ownership Form: Direct (D) or Indirect	of Indirect Beneficial Ownership
qualified Stock Option (Right to	Price of Derivative Security	Date (Month/Day/Year)	Execut if any	ion Date,	Transa Code (8)	instr.	Deri Seci Acq or D of (E 3, 4	vative urities uired (A) isposed D) (Instr. and 5)	Date Exe	ate Exer iration I nth/Dayi	cisable and late Year) Expiration Date	7. Title a of Secu Underly Derivati (Instr. 3	Amou or Numb of Shi	int per ares	Derivative Security Instr. 5)	derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	es s illy g on(s)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership
qualified Stock Option (Right to Buy) Non- qualified Stock Option (Right to	Price of Derivative Security	Date (Month/Day/Year)	Execut if any	ion Date,	Transa Code (8)	instr.	Deri Seci Acq or D of (E 3, 4	vative urities urities (A) isposed (A) (Instr. and 5) (D)	Date Exe	ate Exer iration I nth/Days e rcisable	Expiration Date	7. Title a of Secu Underly Derivati (Instr. 3 Title Commo Stock	Amou or Numb of Shi	int per ares	Derivative Security (Instr. 5)	derivative Securities Beneficial Owned Following Reported Transactic (Instr. 4)	es s silly J Jonn(s)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership

Explanation of Responses:

- 1. Exercise/sale pursuant to a trading plan intended to comply with Rule 10b5-1 of the Securities Exchange Act of 1934.
- 2. Full information regarding the number of shares sold at each separate price will be provided upon request by the SEC staff, the issuer, or a security holder of the issuer.
- 3. This represents the weighted average price for shares sold at a range between \$59.95 (low) and \$60.15 (high).
- 4. This represents the weighted average price for shares sold at a range between \$59.95 (low) and \$59.98 (high).
- 5. The stock option became exercisable in seven (7) equal annual installments, commencing one year after the grant date of 06/16/00.
- 6. The stock option became exercisable in four (4) equal annual installments, commencing one year after the grant date of 12/14/01.
- 7. Granted under one of the Issuer's stock option plans, in an exempt transaction under SEC rule 16(b)-3(d).

/s/ Aras Lapinskas, Attorney in Fact for James C. Mullen

03/23/2010

** Signature of Reporting Person

Date

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

- * 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 is insufficient, see Instruction 6 for procedure.

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 Number.	