MULLEN JAMES C

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4 June 10, 2010

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MULLEN JAMES C			2. Issuer Name and Ticker or Trading Symbol BIOGEN IDEC INC. [BIIB]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(ensen an approacte)		
14 CAMBRIDGE CENTER			(Month/Day/Year) 06/08/2010	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) CEO & President		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
CAMBRIDGE, MA 02142			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative S	Securi	ties Acqu	iired, Disposed of	, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	4. Securit or(A) or Dis (Instr. 3, 4	sposed 4 and 5 (A) or	of (D) 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)
Common Stock	06/08/2010		Code V F	Amount 8,253	(D)	Price \$ 46.85	122,896	D	
Common Stock	06/08/2010		F	13,628	D	\$ 46.85	109,268	D	
Common Stock	06/08/2010		F	13,765	D	\$ 46.85	95,503	D	
Common Stock							75,000	I	2008 GRAT

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

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SEC 1474 (9-02)

$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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. Transactio Code (Instr. 8)	5. Number of Derivative (Acquired (ADisposed of (Instr. 3, 4,	Securities A) or f (D)	6. Date Exerc Expiration D (Month/Day/	ate	7. Title and Underlying (Instr. 3 and
				Code V	(4)	(D)	Date Exercisable	Expiration Date	Title
Non-qualified Stock Option (Right to Buy)	\$ 49.03	06/08/2010		Code V D(1)	(A)	(D) 249,500	(3)	12/14/2011	Commor Stock
Non-qualified Stock Option (Right to Buy)	\$ 49.03	06/08/2010		A <u>(1)</u>	249,500		(3)	12/14/2011	Commor Stock
Stock Option (Right to Buy)	\$ 67.57	06/08/2010		D <u>(1)</u>		325,000	<u>(4)</u>	02/17/2015	Commor Stock
Stock Option (Right to Buy)	\$ 67.57	06/08/2010		A <u>(1)</u>	325,000		<u>(4)</u>	02/17/2015	Common Stock
Stock Option (Right to Buy)	\$ 44.59	06/08/2010		D <u>(1)</u>		120,000	<u>(5)</u>	02/06/2016	Commor Stock
Stock Option (Right to Buy)	\$ 44.59	06/08/2010		A <u>(1)</u>	120,000		<u>(5)</u>	02/06/2016	Common Stock
Stock Option (Right to Buy)	\$ 49.17	06/08/2010		D <u>(1)</u>		210,000	<u>(7)</u>	02/12/2017	Commor Stock
Stock Option (Right to Buy)	\$ 49.17	06/08/2010		A <u>(1)</u>	210,000		<u>(7)</u>	02/12/2017	Commor Stock
Stock Option (Right to Buy)	\$ 63.24	06/08/2010		D <u>(1)</u>		166,100	(8)	02/12/2018	Commor Stock
Stock Option (Right to Buy)	\$ 63.24	06/08/2010		A(1)	166,100		(8)	02/12/2018	Commor Stock
Stock Option (Right to Buy)	\$ 50.55	06/08/2010		D <u>(1)</u>		131,530	<u>(9)</u>	02/25/2019	Commor Stock

Stock Option (Right to Buy) \$50.55 06/08/2010 $A_{\underline{0}}$ 131,530 $\underline{9}$ 02/25/2019 Common Stock

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

/s/ Aras Lapinskas, Attorney in Fact for James C.
Mullen 06/10/2010

**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).
- The reported transactions represent amendments to the respective outstanding options (resulting in the deemed cancellation of the "old" option and the grant of a replacement option) extending their post-retirement exercise periods until June 8, 2013 or their expiration,
- whichever is earlier, pursuant to the Transition Agreement between Biogen Idec Inc. and James C. Mullen dated January 4, 2010. In addition, unvested outstanding options become fully exercisable upon retirement pursuant to the Transaction Agreement.
- (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 four (4) equal annual installments, commencing one year after the grant date of 12/14/01.
- (4) The stock option becomes exercisable in four (4) equal annual installments, commencing one year after the grant date of 02/17/05.
- (5) The stock option becomes exercisable in four (4) equal annual installments, commencing one year after the grant date of 02/07/06.
- (6) Granted under one of the Issuer's stock option plans, in an exempt transaction under SEC Rule 16(b)-3(d).
- (7) The stock option becomes exercisable in four (4) equal annual installments, commencing one year after the grant date of 02/13/2007.
- (8) The stock options become exercisable in four (4) equal annual installments, commencing one year after the grant date of 02/13/2008.
- (9) The stock options become exercisable in four (4) equal annual installments commencing one year after the grant date of 02/25/09.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

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