

Cox John
 Form 3
 August 10, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Cox John | | (Month/Day/Year) | BIOGEN IDEC INC. [BIIB] | |
| (Last) | (First) | (Middle) | 08/02/2010 | |
| C/O BIOGEN IDEC INC.,Â 133 | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| BOSTON POST ROAD | | | (Check all applicable) | |
| (Street) | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| WESTON,Â MAÂ 02493 | | | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| (City) | (State) | (Zip) | (give title below) (specify below) | <input type="checkbox"/> Form filed by More than One Reporting Person |
| | | | EVP Pharmaceutical Oper & Tech | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 18,254.0411 | D | Â |

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|--|---|
|--|--|---|--|--|---|

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| | Date Exercisable | Expiration Date | Amount or Number of Shares | or Indirect (I) (Instr. 5) |
|-----------------------------|------------------|-----------------|----------------------------|----------------------------|
| Restricted Stock Unit | Â (1) | 02/23/2014 | Common Stock 10,396 | \$ 0 (2) D Â |
| Stock Option (Right to Buy) | Â (3) | 07/28/2013 | Common Stock 6,900 | \$ 33.97 D Â |
| Stock Option (Right to Buy) | Â (4) | 02/06/2014 | Common Stock 2,840 | \$ 43.5 D Â |
| Stock Option (Right to Buy) | Â (5) | 02/17/2015 | Common Stock 3,900 | \$ 67.57 D Â |
| Stock Option (Right to Buy) | Â (6) | 03/13/2016 | Common Stock 6,900 | \$ 47.92 D Â |
| Stock Option (Right to Buy) | Â (7) | 02/12/2017 | Common Stock 7,400 | \$ 49.31 D Â |
| Stock Option (Right to Buy) | Â (8) | 11/01/2017 | Common Stock 8,700 | \$ 72.87 D Â |
| Stock Option (Right to Buy) | Â (9) | 02/12/2018 | Common Stock 23,130 | \$ 60.56 D Â |
| Stock Option (Right to Buy) | Â (10) | 02/24/2019 | Common Stock 15,175 | \$ 49.65 D Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|----------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Cox John C/O BIOGEN IDEC INC. 133 BOSTON POST ROAD WESTON, MA 02493 | Â | Â | Â EVP Pharmaceutical Oper & Tech | Â |

Signatures

Robert A. Licht, Attorney in Fact for John Cox 08/10/2010

**Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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) The number of RSUs reported represents the maximum possible number of shares that are eligible for vesting, which is 150% of the number of shares at target payout. One-fourth of these RSUs are eligible to vest on each of the first four anniversaries of the grant date. The actual number of shares that will vest on each vesting date will be determined by comparing the price of Biogen Idec common stock on such vesting date to the price on the grant date (i.e., number of vested shares = number of shares at target payout times [the average 60 calendar-day closing stock price ending on the vesting date divided by the average 60 calendar-day closing stock price on the grant date]).

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- (2) There is no conversion or exercise price for this stock unit.
- (3) The stock options became exercisable in four (4) equal annual installments commencing one year after the grant date of 7/28/2003.
- (4) The stock options became exercisable in four (4) equal annual installments commencing on 12/31/2004.
- (5) The stock options became exercisable in four (4) equal annual installments commencing one year after the grant date of 2/17/2005.
- (6) The stock options became exercisable in four (4) equal annual installments commencing one year after the grant date of 3/13/2006.
- (7) The stock options vest in four (4) equal annual installments commencing one year after the grant date of 2/12/2007.
- (8) The stock options vest in four (4) equal annual installments commencing one year after the grant date of 11/1/2007.
- (9) The stock options vest in four (4) equal annual installments commencing one year after the grant date of 2/12/2008.
- (10) The stock options vest in four (4) equal annual installments commencing one year after the grant date of 2/24/2009.

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.