SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934 (AMENDMENT NO.: 0)*

Name of	issuer:	Biogen Idec Inc.
Title of	Class of Securities:	Common Stock
CUSIP Nu	mber:	09062X103
Date of	Event Which Requires Filing of this	Statement: December 31, 2003
Check the is filed		rule pursuant to which this Schedule
per: sec	son's initial filing on this form	shall be filled out for a reporting with respect to the subject class of endment containing information which a prior cover page.
Act of 1	o be "filed" for the purpose of Se 934 ("Act") or otherwise subject t but shall be subject to all other	inder of this cover page shall not be ction 18 of the Securities Exchange o the liabilities of that section of provisions of the Act (however, see
(Continu	ed on the following page(s))	
	PAGE 1 OF 4	PAGES
	136	
CUSIP No	.: 09062X103	
1.	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO.	OF ABOVE PERSON
	Vanguard Chester Funds -	Vanguard PRIMECAP Fund
2.	CHECK THE APPROPRIATE [LINE] IF A	MEMBER OF A GROUP
	Α.	В. Х
3.	SEC USE ONLY	
4.	CITIZENSHIP OF PLACE OF ORGANIZATI	ON
	Delaware	
	estions 5-8, report the number o g person with:)	f shares beneficially owned by each
5.	SOLE VOTING POWER	
	19,000,000	
6.	SHARED VOTING POWER	
	- 0 -	

7. SOLE DISPOSITIVE POWER

	_		
- 1	n	_	

8.	CHARED	DISPOSITIVE	DUMED

-0-

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

19,000,000

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

N/A

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

5.80

12. TYPE OF REPORTING PERSON

IV

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SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

SCHEDULE 13G UNDER THE SECURITIES ACT OF 1934

Check the following [line] if a fee is being paid with this statement N/A

Item 1(a) - Name of Issuer:

Biogen Idec Inc.

Item 1(b) - Address of Issuer's Principal Executive Offices:

11011 Torreyana Road, San Diego, CA 92121

Item 2(a) - Name of Person Filing:

Vanguard Chester Funds - Vanguard PRIMECAP Fund

Item 2(b) - Address of Principal Business Office or, if none, residence:

100 Vanguard Blvd., Malvern, PA 19355

Item 2(c) - Citizenship:

The fund is a business trust organized under the laws of the Commonwealth of Delaware.

Item 2(d) - Title of Class of Securities:

Common Stock

Item 2(e) - CUSIP Number

09062X103

Item 3 - Type of Filing:

This statement is being filed pursuant to Rule 13d-1. The person filing is an investment company registered under Section 8 of the Investment Company Act.

Item 4 - Ownership:

(a) Amount Beneficially Owned:

19,000,000

(b) Percent of Class:

5.80

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- (c) Number of shares as to which such person has:
 - (i) sole power to vote or direct to vote: 19,000,000
 - (ii) shared power to vote or direct to vote: -0-
 - (iii) sole power to dispose of or to direct the disposition of: $-\theta$ -
 - (iv) shared power to dispose or to direct the disposition of: -0-
- Item 5 Ownership of Five Percent or Less of a Class:

Not applicable

Item 6 - Ownership of More Than Five Percent on Behalf of Another Person:

Not applicable

Item 7 - Identification and Classification of the Subsidiary Which Acquired The Security Being Reported on by the Parent Holding Company:

Not applicable

Item 8 - Identification and Classification of Members of Group:

Not applicable

Item 9 - Notice of Dissolution of Group:

Not applicable

Item 10 - Certification:

By signing below I certify than, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

DATE: 2-4-2004 BY /S/ CHRISTOPHER WIGHTMAN

CHRISTOPHER WIGHTMAN

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