BIOJECT MEDICAL TECHNOLOGIES INC Form SC 13D/A April 21, 2004

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

SCHEDULE 13D/A4 (Amendment No. 4)
Under the Securities Exchange Act of 1934

Bioject Medical Technologies, Inc.

(Name of Issuer)

Common Stock, without par value

(Title of Class of Securities)

0905T-10-7

(CUSIP Number)

William F. Daniel
Elan Corporation, plc
Lincoln House
Lincoln Place
Dublin 2, Ireland
(353) 1-709-4000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

April 19, 2004

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of ss.ss. 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box [].

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 240.13d-7 for other parties to whom copies are to be sent.

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the

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USIP No.	0905T-	LO-7				
(1)	NAME OF REPORTING PERSONS Elan Corporation, plc I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) N/A					
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] (b) []					
(3)	SEC USE ONLY					
(4)) SOURCE OF FUNDS WC					
(5)			LOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO 2(e) []			
(6)	CITIZEN	 SHIP OF	R PLACE OF ORGANIZATION Ireland			
Number Share		(7)	SOLE VOTING POWER None			
Benefic: Owne	ially d	(8)	SHARED VOTING POWER 2,889,270			
by Eac Report:		(9)	SOLE DISPOSITIVE POWER None			
Person N	Vith	(10)	SHARED DISPOSITIVE POWER 2,889,270			
(11)	AGGREG. 2,889,		DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
(12)	CHECK	F THE	AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
(13) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 20.6% (based on 13,530,137 shares of Common Stock outstanding on February 23, 2004, as reported in the annual report on Form 10-K filed by the Issuer on March 24, 2004, plus 505,334 shares of Common Stock issuable upon exercise of the Warrants)						

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HISTP No	0905T-1	0-7			
	0905T-10-7 				
(1)	NAME OF REPORTING PERSONS Elan International Services, Ltd. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only) N/A				
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] (b) []				
(3)	SEC USE ONLY				
(4)	SOURCE OF FUNDS WC				
(5)	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) []				
(6)	CITIZENS	HIP OR	PLACE OF ORGANIZATION Bermuda		
Number Share			SOLE VOTING POWER None		
Benefic Owne	ially d	(8)	SHARED VOTING POWER 2,889,270		
by Eac Report		(9)	SOLE DISPOSITIVE POWER None		
Person \	With	(10)	SHARED DISPOSITIVE POWER 2,889,270		
(11	AGGREGA 2,889,2		UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
(12	CHECK I	F THE	AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES		
(13	20.6% outsta in the 24, 20	(based nding annua 04, pl	LASS REPRESENTED BY AMOUNT IN ROW (11) on 13,530,137 shares of Common Stock on February 23, 2004, as reported 1 report on Form 10-K filed by the Issuer on March us 505,334 shares of Common Stock issuable upon the Warrants)		

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CUSIP No.	0905T-1	0-7				
(1)	NAME OF	REPORT	TING PERSONS Elan Pharmaceutical Investments,			
		IDENTI	FICATION NOS. OF ABOVE PERSONS (entities only)			
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] (b) []					
(3)	(3) SEC USE ONLY					
(4)	(4) SOURCE OF FUNDS WC					
(5) CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) []						
(6)	CITIZENS	HIP OR	PLACE OF ORGANIZATION Bermuda			
Number Share		(7)	SOLE VOTING POWER None			
Benefic: Owned	ially d	(8)	SHARED VOTING POWER 2,889,270			
by Eac Report		(9)	SOLE DISPOSITIVE POWER None			
Person V	Nith	(10)	SHARED DISPOSITIVE POWER 2,889,270			
(11)	AGGREGA 2,889,2		JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
(12)	CHECK I	F THE <i>I</i>	AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			
(13)	20.6% (outstan in the 24, 200	based of ding or annual 4, plus	ASS REPRESENTED BY AMOUNT IN ROW (11) on 13,530,137 shares of Common Stock on February 23, 2004, as reported report on Form 10-K filed by the Issuer on March os 505,334 shares of Common Stock issuable upon one Warrants)			
(14) TYPE OF REPORTING PERSON CO						

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ITEM 1. SECURITY AND ISSUER.

Item 1 of Schedule 13D is hereby amended and restated in its entirety as follows:

This Amendment No. 4 amends the Schedule 13D filed with the Securities and Exchange Commission (the "Commission") on October 15, 1997, as amended by the Schedule 13D/A1 filed with the Commission on January 15, 2003, as amended by the Schedule 13D/A2 filed with the Commission on February 10, 2004 (the "Schedule 13D") and as amended by Schedule 13D/A3 filed with the Commission on April 5, 2004, by Elan Corporation, plc ("Elan"), Elan International Services, Ltd. ("EIS") and Elan Pharmaceutical Investments, Ltd. ("EPIL"), relating to the common stock, no par value (the "Common Stock"), of Bioject Medical Technologies, Inc., an Oregon corporation (the "Issuer"), whose principal offices are located at 211 Somerville Road (Route 202 North), Bedminster, New Jersey 07921.

ITEM 5. INTEREST IN SECURITIES OF ISSUER.

Item 5 of Schedule 13D is hereby amended and restated in its entirety as follows:

- (a) Elan and EIS (indirectly through their ownership of EPIL) and EPIL (directly) are the beneficial owners of 2,889,270 shares of Common Stock, representing 20.6% of the outstanding shares of Common Stock (based on 13,530,137 shares of Common Stock outstanding on February 23, 2004, as reported in the annual report on Form 10-K filed by the Issuer on March 24, 2004, plus 505,334 shares of Common Stock issuable upon exercise of the Warrants).
- (b) Elan Corporation, plc and EIS (indirectly through their ownership of EPIL) and EPIL (directly) each have shared voting and dispositive power over 2,889,270 shares of Common Stock.
- (c) From April 5, 2004 through April 20, 2004, EPIL sold an aggregate of 161,000 shares of Common Stock in open market transactions as listed below:

DATE OF SALE	AMOUNT	PRICE PER SHARE
4/5/04	65,000	\$3.00
4/6/04	30,000	\$3.00
4/7/04	7,500	\$3.00
4/13/04	2,500	\$3.00
4/15/04	5,000	\$3.07
4/16/04	5,000	\$3.00
4/19/04	400	\$3.05
4/19/04	900	\$3.04
4/19/04	8,000	\$3.01
4/19/04	31,700	\$3.00

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DATE OF SALE	AMOUNT	PRICE PER SHARE
4/20/04	5,000	\$3.00

- (d) None.
- (e) Not applicable.

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SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: April 21, 2004

ELAN CORPORATION, PLC

By: /s/ William F. Daniel

Name: William F. Daniel Title: Company Secretary

ELAN INTERNATIONAL SERVICES, LTD.

By: /s/ Kevin Insley

Name: Kevin Insley

Title: President and Chief Financial

Officer

ELAN PHARMACEUTICAL INVESTMENTS, LTD.

By: /s/ Kevin Insley

Name: Kevin Insley

Title: President and Chief Financial

Officer

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