

NOVO NORDISK A S  
Form 6-K  
July 27, 2010

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**FORM 6-K**

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**REPORT OF FOREIGN PRIVATE ISSUER**

Pursuant to Rule 13a-16 or 15d-16  
of the Securities Exchange Act of 1934

**JULY 27, 2010**

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**NOVO NORDISK A/S**

(Exact name of Registrant as specified in its charter)

**Novo Allé**

**DK- 2880, Bagsvaerd**

**Denmark**

(Address of principal executive offices)

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Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F

Form 20-F  Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g-32(b):82-\_\_\_\_\_

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## Company Announcement

26 July 2010

Novo Nordisk A/S – Share repurchase programme

On 27 April 2010 Novo Nordisk initiated its share repurchase programme in accordance with the provisions of the European Commission's regulation no 2273/2003 of 22 December 2003, also referred to as the Safe Harbour rules.

Under the programme Novo Nordisk will repurchase B shares for an amount up to DKK 2.5 billion in the period from 27 April 2010 to 3 August 2010.

Since the announcement as of 19 July 2010, the following transactions have been made under the programme:

	<b>Number of shares purchase price</b>	<b>Average Transaction value, DKK</b>	
<b>Accumulated, last announcement</b>	4,294,000	2,058,553,442	
19 July 2010	68,000	503.4900	34,237,320
20 July 2010	110,000	497.7658	54,754,238
21 July 2010	75,000	493.9800	37,048,500
22 July 2010	75,000	496.5500	37,241,250
23 July 2010	80,000	494.1090	39,528,720
<b>Accumulated under the programme</b>	<b>4,702,000</b>	<b>2,261,363,470</b>	

With the transactions stated above, Novo Nordisk owns a total of 19,446,872 treasury shares, corresponding to 3.2% of the share capital. The total amount of shares in the company is 600,000,000 including treasury shares.

Company Announcement no 40 / 2010

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<b>Novo Nordisk A/S</b>	Novo Allé	Telephone:	Internet:	CVR no:
Investor Relations	2880 Bagsværd	+45 4444 8888	novonordisk.com	24256790
	Denmark	Telefax:		

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+45 4444 6626

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*Novo Nordisk is a global healthcare company with 87 years of innovation and leadership in diabetes care. The company also has leading positions within haemophilia care, growth hormone therapy and hormone replacement therapy. Headquartered in Denmark, Novo Nordisk employs approximately 29,650 employees in 76 countries, and markets its products in 179 countries. Novo Nordisk's B shares are listed on the NASDAQ OMX Copenhagen (Novo-B). Its ADRs are listed on the New York Stock Exchange (NVO). For more information, visit [novonordisk.com](http://novonordisk.com).*

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	Denmark	Telefax:		
		+45 4444 6626		

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## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf of the undersigned, thereunto duly authorized.

Date: JULY 27, 2010

NOVO NORDISK A/S

Lars Rebien Sørensen,

President and Chief Executive Officer

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