

NOVO NORDISK A S
Form 6-K
October 12, 2010

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER

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

OCTOBER 12, 2010

NOVO NORDISK A/S

(Exact name of Registrant as specified in its charter)

Novo Allé

DK- 2880, Bagsvaerd

Denmark

(Address of principal executive offices)

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-_____

Company Announcement

1 October 2010

Status regarding Novo Nordisk's holding of its own shares (30 September 2010)

In continuation of the company's announcement dated 12 August 2010 concerning a planned share repurchase programme, and pursuant to Section 204.25 of the New York Stock Exchange Listed Company Manual, this is to report that Novo Nordisk A/S (NYSE: NVO) and its wholly-owned affiliates on 30 September 2010 owned 26,100,087 of its own B shares of DKK 1, corresponding to a total nominal value of DKK 26,100,087 or 4.35% of the total share capital.

In the third quarter of 2010 a total of 8,177,210 B shares were repurchased, and 153,995 B shares were disposed of to employees in connection with employee incentive programmes.

Novo Nordisk is a global healthcare company with 88 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 29,890 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.

Company Announcement no 54 / 2010

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Novo Nordisk A/S	Novo Allé	Telephone:	Internet:	CVR no:
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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: OCTOBER 12, 2010

NOVO NORDISK A/S

Lars Rebien Sørensen,

President and Chief Executive Officer
