

ZYMOGENETICS INC

Form 4

January 11, 2010

FORM 4

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

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**STATEMENT OF CHANGES IN 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

OMB APPROVAL

OMB
Number: 3235-0287
 Expires: January 31,
 2005
 Estimated average
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(Print or Type Responses)

1. Name and Address of Reporting Person *
NOVO NORDISK A S

(Last) (First) (Middle)

NOVO ALLE DK 2880

(Street)

BAGSVAERD
DENMARK, G7 00000

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
 Symbol
ZYMOGENETICS INC [ZGEN]

3. Date of Earliest Transaction
 (Month/Day/Year)
01/07/2010

4. If Amendment, Date Original
 Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
 Issuer

(Check all applicable)

____ Director ____X____ 10% Owner
 ____ Officer (give title below) ____ Other (specify below)

6. Individual or Joint/Group Filing(Check
 Applicable Line)
 ____X____ Form filed by One Reporting Person
 ____ Form filed by More than One Reporting
 Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	01/07/2010		P	1,250,000	A \$ 6 <u>(1)</u>	22,143,320 <u>(1)</u>	D

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

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 information contained in this form are not
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SEC 1474
 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
 (e.g., puts, calls, warrants, options, convertible securities)**

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repor Trans (Instr
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
NOVO NORDISK A S NOVO ALLE DK 2880 BAGSVAERD DENMARK, G7 00000		X		

Signatures

/s/ Jesper Brandgaard, Chief Financial Officer
01/11/2010

__Signature of Reporting Person Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(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) Novo Nordisk A/S directly holds 22,143,320 shares of common stock of ZYMOGENETICS, INC. In addition, Novo A/S, the parent holding company of Novo Nordisk A/S, directly holds 866,541 shares of common stock of ZYMOGENETICS, INC.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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