

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

FORM 12b-25

NOTIFICATION OF LATE FILING

(Check One):       Form 10-K and Form 10-KSB       Form 20-F       Form 11-K  
                          Form 10-Q and Form 10-QSB       Form N-SAR

For Period Ended: July 31, 2005

Transition Report on Form 10-K       Transition Report on Form 10-Q  
 Transition Report on Form 20-F       Transition Report on Form N-SAR  
 Transition Report on Form 11-K

For the Transition Period Ended: \_\_\_\_\_

Read attached instruction sheet before preparing form. Please print or type.

Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.

If the notification related to a portion of the filing checked above, identify the item(s) to which the notification relates:

\_\_\_\_\_

PART I  
REGISTRANT INFORMATION

Full name of registrant: Xenomics, Inc.

Former name if applicable: \_\_\_\_\_

Address of principal executive office (street and number): 420 Lexington Avenue, Suite 1701

City, state and zip code: New York, New York 10170

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PART II  
RULE 12b-25 (b) and (c)

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate.)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense.
- x (b) The subject annual report, semi-annual report, transition report on Form 10-K, 20-F, 11-K or Form N-SAR, or portion thereof will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or portion thereof will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

PART III  
NARRATIVE

State below in reasonable detail the reasons why Form 10-K, 11-K, 20-F, 10-Q, N-SAR or the transition report portion thereof could not be filed within the prescribed time period.

The Company's Quarterly Report on Form 10-QSB for the three months ended July 31, 2005 cannot be filed within the prescribed time period because the Company requires additional time for compilation and review to insure adequate disclosure of certain information required to be included in the Form 10-QSB. In addition, the Company received SEC comments on its Form SB-2 filed on August 1, 2005 on September 2, 2005 and is incorporating certain responses to such comments into its financial statements to be included in its Quarterly Report on Form 10-QSB for the three months ended July 31, 2005. The Company's Quarterly Report on Form 10-QSB will be filed on or before the 5<sup>th</sup> calendar day following the prescribed due date.

PART IV  
OTHER INFORMATION

(1) Name and telephone number of person to contact in regard to this notification:

Bernard F. Denoyer, Vice President, Controller, 212-297-0808

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If the answer is no, identify report(s)

x Yes o No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

x Yes o No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reason why a reasonable estimate of the results cannot be made.

Xenomics, Inc.'s financial statements for the three months ended July 31, 2005 to be included in Xenomics's Form 10-QSB for the three months ended July 31, 2005 will reflect approximately (i) \$270,000 of research and development expense (ii) \$955,000 of general and administrative expense and (iii) \$300,000 of stock based compensation expense.

Xenomics, Inc.'s financial statements for the three months ended July 31, 2005 to be included in Xenomics' Form 10-QSB for the three months ended July 31, 2005 will reflect consolidated loss from operation of approximately \$1,525,000 as compared to a loss of approximately \$95,000 for the three months ended July 31, 2004.

Xenomics, Inc.

\_\_\_\_\_  
(Name of Registrant as specified in Charter)

has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Date: September 14, 2005

By: /s/ Bernard F. Denoyer

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Bernard F. Denoyer  
Vice President, Controller