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

FORM 8-K

CURRENT REPORT

**Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): May 10, 2007

MEDICINOVA, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

001-33185
(Commission File Number)

33-0927979
(IRS Employer
Identification No.)

**4350 La Jolla Village Drive, Suite 950
San Diego, CA 92122**
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (858) 373-1500

Not Applicable
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 2.02. Results of Operations and Financial Condition.

On May 11, 2007 (Japanese Standard Time), MediciNova, Inc. (the “Company”) filed with the Osaka Securities Exchange (the “OSE”) a Japanese report referred to as “Kessan Tanshin,” which contained, among other things, the Company’s financial results for the quarter ended March 31, 2007 (the “Tanshin”).

The Tanshin is substantially the same as the Company’s Quarterly Report on Form 10-Q for the quarter ended March 31, 2007 (the “10-Q”), except the following supplemental information is provided:

- In the Tanshin, the Company disclosed that it has not changed its estimated results of operations for the fiscal year ending December 31, 2007 from those previously provided in the Company’s Kessan Tanshin filed with the OSE on February 16, 2007.
- In the Tanshin, financial statements denominated in Japanese yen are disclosed as supplementary information. The numbers were translated at 117.34 Japanese yen per U.S. dollar, which was the Telegraphic Transfer Middle Rate as per Bank of Tokyo-Mitsubishi as of March 31, 2007.

The information in this Current Report is being furnished and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that Section. The information in this Current Report shall not be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

The Tanshin may contain forward-looking statements that are subject to risks and uncertainties, many of which are beyond the Company’s control. Forward-looking statements discuss matters that are not historical facts. The Company’s actual results will differ from those anticipated in these forward-looking statements as a result of various factors, including those set forth in the Company’s Quarterly Report on Form 10-Q for the three months ended March 31, 2007, and the differences may be material. Forward-looking statements include, but are not limited to, statements regarding the Company’s operating strategy, product development and growth strategy, acquisition strategy, plans, objectives, expectations, clinical trials, internal programs, industry, economic conditions, financial condition, liquidity and capital resources and results of operations, and other statements that are not historical facts, including statements preceded by, followed by or that otherwise include the words “believes,” “expects,” “anticipates,” “intends,” “estimates,” “projects,” “can,” “could,” “may,” “will,” “would” or similar expressions. For such statements, the Company claims the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995. Undue reliance should not be placed on these forward-looking statements, which speak only as of the date on which they were made. The Company undertakes no obligation to update publicly or revise any forward-looking statements set forth in the Tanshin, whether as a result of new information, future events or otherwise, unless required by law.

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 by the undersigned hereunto duly authorized.

MEDICINOVA, INC.

Dated: May 10, 2007

By: /s/ Shintaro Asako

Shintaro Asako

Vice President and Chief Financial Officer