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

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**FORM 8-K**

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**CURRENT REPORT**

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

Date of Report (Date of earliest event reported): June 6, 2008

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**MEDICINOVA, INC.**

(Exact name of registrant as specified in its charter)

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**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)

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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 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.**

(e) On June 6, 2008, MediciNova, Inc. (the "Registrant") held its Annual Meeting of Stockholders (the "Annual Meeting"). At the Annual Meeting, the Registrant's stockholders approved an amendment to the Registrant's Amended and Restated 2004 Stock Incentive Plan (the "2004 Plan") to increase the authorized number of shares of Common Stock of the Registrant reserved for issuance under the 2004 Plan by 1,000,000 shares, or from 2,630,000 shares to 3,630,000 shares.

The foregoing description of the amendment to the 2004 Plan does not purport to be complete and is qualified in its entirety by reference to the full text of the amendment which is filed as Exhibit 10.1 hereto, is incorporated herein by reference and constitutes a part of this report.

**Item 8.01 Other Events.**

At the Annual Meeting, the Registrant's stockholders took the following actions:

First, the stockholders elected three Class I directors, Dr. Alan W. Dunton, Dr. Jeff Himawan and Mr. Hideki Nagao, to serve until the Annual Meeting of Stockholders in 2011 or until their successors are duly elected and qualified. As a result of the voting, 7,967,057 votes were cast in favor of electing Dr. Dunton and 484,651 votes were withheld; 7,967,057 votes were cast in favor of electing Dr. Himawan and 484,651 votes were withheld; and 7,975,519 votes were cast in favor of electing Mr. Nagao and 485,289 votes were withheld.

Second, the stockholders ratified the appointment of Ernst & Young LLP as the Registrant's independent registered public accounting firm for the fiscal year ending December 31, 2008. As a result of the voting, 8,222,523 votes were cast in favor; 17,755 votes were cast against; and 220,430 shares abstained from voting.

Third, the stockholders ratified the adoption of an amendment to the Registrant's Restated Certificate of Incorporation to increase the authorized number of shares of the Registrant's common stock by 10,000,000 shares. As a result of the voting, 7,858,526 votes were cast in favor; 340,784 votes were cast against; and 261,397 shares abstained from voting.

Fourth and lastly, the stockholders approved an amendment to the 2004 Plan to increase the authorized number of shares of the Registrant's common stock that may be granted pursuant to the 2004 Plan by 1,000,000 shares. As a result of the voting, 6,343,262 votes were cast in favor; 366,858 votes were cast against; and 190,556 shares abstained from voting. In addition, there were 1,560,032 broker non-votes.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits:

<u>Exhibit No.</u>	<u>Description</u>
10.1	Amendment to the MediciNova, Inc. Amended and Restated 2004 Stock Incentive Plan, dated June 6, 2008.

**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.

Dated: June 10, 2008

MEDICINOVA, INC.

By: /s/ Shintaro Asako  
Shintaro Asako  
Chief Financial Officer

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**Exhibit No.****Description**

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10.1

Amendment to the MediciNova, Inc. Amended and Restated 2004 Stock Incentive Plan, dated June 6, 2008.

**AMENDMENT TO THE  
MEDICINOVA, INC.  
AMENDED AND RESTATED 2004 STOCK INCENTIVE PLAN**

This Amendment (this "**Amendment**") to the Amended and Restated 2004 Stock Incentive Plan (the "**2004 Plan**") of MediciNova, Inc., a Delaware corporation (the "**Company**"), is made effective as of June 6, 2008. Unless otherwise specifically defined herein, each capitalized term used herein shall have the meaning afforded such term under the 2004 Plan.

**WITNESSETH:**

**WHEREAS**, at a duly noticed meeting of the Board of Directors held on March 18, 2008, the Board of Directors determined it to be in the best interests of the Company to amend the 2004 Plan to increase the number of Shares authorized for issuance thereunder by one million (1,000,000) Shares;

**WHEREAS**, immediately prior to the adoption of this Amendment, there were two million six hundred thirty thousand (2,630,000) Shares authorized for issuance under the 2004 Plan;

**WHEREAS**, at the Company's Annual Meeting of Stockholders held on June 6, 2008, the Company's stockholders approved the increase in the authorized number of Shares reserved for issuance under the 2004 Plan by one million (1,000,000) Shares, or from two million six hundred thirty thousand (2,630,000) Shares to three million six hundred thirty thousand (3,630,000) Shares.

**NOW, THEREFORE**, be it resolved that the 2004 Plan is hereby amended as follows:

1. Stock Subject to Plan. Section 5(a) of the 2004 Plan shall be amended by increasing the number of Shares authorized for issuance as Awards under the 2004 Plan by one million (1,000,000) Shares.

2. Date of Amendment. To record the adoption of this Amendment to the 2004 Plan by the Board of Directors as of March 18, 2008, and the approval by the Company's stockholders of this Amendment effective as of June 6, 2008, the Company has caused its authorized officer to execute the same as of the date first set forth above.

**MEDICINOVA, INC.**

By: /s/ Shintaro Asako  
Shintaro Asako  
Chief Financial Officer