

MEDICURE INC  
Form 6-K  
September 29, 2010

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**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  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of **September, 2010**

Commission File Number: **001-31995**

**MEDICURE INC.**

(Translation of registrant's name into English)

**4-1200 Waverley Street**

**Winnipeg, MB Canada R3T 0P4**

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F     Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether by furnishing the information contained in this Form, the registrant 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 12g3-2(b): 82-

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**SUBMITTED HEREWITH**

Exhibits

99.1 Consolidated Financial Statements for year ended May 31, 2010

99.2 Management's Discussion and Analysis for year ended May 31, 2010

99.3 CEO-Certifications

99.4 CFO-Certifications

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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 by the undersigned, thereunto duly authorized.

**Medicure Inc.**  
(Registrant)

Date: September 28, 2010

By: */s/ Dr. Albert D. Friesen*

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Dr. Albert D. Friesen  
Title: President & CEO

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