

BSD MEDICAL CORP  
Form 8-A12B  
April 22, 2008

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

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR (g) OF THE  
SECURITIES EXCHANGE ACT OF 1934

BSD MEDICAL CORPORATION

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(Exact name of Registrant as specified in its charter)

Delaware  
(State of incorporation or organization)

75-1590407  
(I.R.S. Employer Identification No.)

2188 West 2200 South  
Salt Lake City, Utah  
(Address of principal executive offices)

84119  
(Zip Code)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of each class  
to be so registered  
Common Shares, \$0.001 par value

Name of each exchange on which  
each class is to be registered  
The NASDAQ Stock Market LLC

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), check the following box.  x

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), check the following box.  o

Securities Act registration statement file number to which this form relates: \_\_\_\_\_ (if applicable)

Securities to be registered pursuant to Section 12(g) of the Act:

None

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(Title of class)



ITEM 1. DESCRIPTION OF REGISTRANT'S SECURITIES TO BE REGISTERED.

The Registrant incorporates by reference the section entitled "Description of Securities" from Amendment No. 4 to the Registration Statement on Form SB-2 (File No. 333-112240) filed with the Securities and Exchange Commission on July 23, 2004, including any subsequently filed amendments and reports updating such description.

ITEM 2. EXHIBITS.

Not applicable.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereto duly authorized.

BSD MEDICAL CORPORATION

Date: April 22, 2008

By: /s/ Hyrum A. Mead

Name: Hyrum A. Mead

Title: President