

BSD MEDICAL CORP  
Form 8-K  
December 14, 2010

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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): December 14, 2010

BSD MEDICAL CORPORATION  
(Exact name of registrant as specified in its charter)

|   |                          |                                      |
|---|--------------------------|--------------------------------------|
| Delaware  | 0-10783                  | 75-1590407                           |
| (State or other jurisdiction of<br>incorporation) | (Commission File Number) | (IRS Employer Identification<br>No.) |

2188 West 2200 South  
Salt Lake City, Utah 84119  
(Address of principal executive offices, including Zip Code)

Registrant's telephone number, including area code: (801) 972-5555

N/A  
(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))



Item 7.01 Regulation FD Disclosure.

On December 14, 2010, BSD Medical Corporation (the “Company”) issued a press release announcing success in the Company’s initial product launch for the MicroThermX Microwave Ablation System (MTX-180). BSD’s initial product launch has been focused on placement of a select number of systems with pivotal, high-profile, interventional oncology, key opinion leaders. BSD has successfully placed three of these systems and will shortly place a fourth system. A copy of the press release is furnished as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit

| No.  | Description                           |
|------|---------------------------------------|
| 99.1 | Press Release dated December 14, 2010 |

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.

Date: December 14, 2010

BSD MEDICAL CORPORATION

By: /s/ Dennis P.

Gauger

Name: Dennis P. Gauger

Title: Chief Financial Officer

EXHIBIT INDEX

| Exhibit | Description                           |
|---------|---------------------------------------|
| No.     |                                       |
| 99.1    | Press Release dated December 14, 2010 |