

Bacterin International Holdings, Inc.  
Form 8-A12B/A  
March 04, 2011  
UNITED STATES

SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

FORM 8-A/A  
(Amendment No. 1 to Form 8-A filed November 5, 2010)

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

Bacterin  
International  
Holdings, Inc.  
(Exact name of  
registrant as  
specified in its  
charter)

Delaware 20-5313323  
(State of (I.R.S.  
incorporation Employer  
or Identification  
organization) No.)

600 Cruiser59714  
L a n e ,  
B e l g r a d e ,  
Montana  
(Address of (Zip Code)  
principal  
executive  
offices)

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

Title of each class to be so registered	Name of each exchange on which each class is to be registered
Common Stock, par value \$0.000001 per share	NYSE Amex 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.

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.

Securities Act registration statement file number to which this form relates: 333-169620

Securities to be registered pursuant to Section 12(g) of the Act: None

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Explanatory Note

We are amending this Form 8-A to change the exchange on which our common stock will be listed.

Item 1. Description of Registrant's Securities to be Registered.

The description of the securities being registered is set forth under "Description of Securities – Common Stock" in the Company's registration statement on Form S-1 (File No. 333-169620), originally filed with the Securities and Exchange Commission on September 28, 2010, as amended, including any form of prospectus contained therein pursuant to Rule 424(b) under the Securities Act of 1933, which description and prospectus are incorporated herein by reference.

Item 2. Exhibits.

Under the Instructions to Exhibits with respect to Form 8-A, no exhibits are required to be filed as the securities being registered on this form are (a) being registered on an exchange on which no other securities of the Company are registered, and (b) are not being registered pursuant to Section 12(g) of the Exchange Act.

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.

BACTERIN INTERNATIONAL HOLDINGS, INC.

By: /s/ Guy S. Cook  
Name: Guy S. Cook  
Title: President and Chief Executive Officer

Dated: March 4, 2011

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