

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
October 13, 2011**

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

BG Medicine, Inc.

File No. 001-33827 CF# 26852

BG Medicine, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from an Exhibit to a Form 10-Q filed on May 12, 2011, as amended on October 4, 2011.

Based on representations by BG Medicine, Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit will not be released to the public for the time period specified:

Exhibit 10.1 through May 12, 2014

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Pamela Howell
Special Counsel