

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
May 17, 2011**

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

Fluidigm Corporation

File No. 1-34180 - CF#26648

Fluidigm Corporation submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 8-K filed on April 4, 2011.

Based on representations by Fluidigm Corporation 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 10.21A through December 31, 2014

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

Daniel Morris
Special Counsel