

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
December 14, 2009**

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

Aspect Medical Systems, Inc.

File No. 000-24663 - CF#24338

Aspect Medical Systems, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 10-Q filed on November 6, 2009.

Based on representations by Aspect Medical Systems, 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 exhibits will not be released to the public for the time periods specified:

Exhibit 10.5	through December 31, 2012
Exhibit 10.6	through October 25, 2010

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

Daniel Morris
Special Counsel