

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
April 17, 2009**

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

RTI Biologics, Inc.

File No. 0-31271 - CF#23353

RTI Biologics, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 10-K filed on March 16, 2009.

Based on representations by RTI Biologics, 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 10.21 through March 15, 2016

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

Sonia Barros
Special Counsel