

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

**August 29, 2012**

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

**Synthetic Biologics, Inc.**

**File No. 001-12584 - CF# 28751**

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Synthetic Biologics, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 8-K filed on August 9, 2012.

Based on representations by Synthetic 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(s) will not be released to the public for the time period(s) specified:

Exhibit 10.1

through August 5, 2017

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

Michael Seaman  
Special Counsel