



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

Mail Stop 6010

September 18, 2008

Via U.S. Mail

Mr. Brian K. Hutchison  
Chief Executive Officer  
RTI Biologics, Inc.  
11621 Research Circle  
Alachua, FL 32615

**Re: RTI Biologics, Inc.**  
**Form 10-K for the year ended December 31, 2007**  
**Filed February 27, 2008**  
**File No. 0-31271**

Dear Mr. Hutchison:

We have completed our review of your Form 10-K and related filings and have no further comments at this time.

Sincerely,

Kevin L. Vaughn  
Accounting Branch Chief