

Mail Stop 6010

September 29, 2008

Richard Marsh
Executive Vice President, General Counsel and Secretary
Myriad Genetics, Inc.
320 Wakara Way
Salt Lake City, Utah 84108

**Re: Myriad Genetics, Inc.
Preliminary Proxy Statement on Schedule 14A
Filed September 18, 2008
File No. 000-26642**

Dear Mr. Marsh:

We have completed our review of your preliminary proxy statement on Schedule 14A and have no further comments at this time.

Sincerely,

Jeffrey P. Riedler
Assistant Director

cc: Scott A. Samuels, Esq.
Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.
One Financial Center
Boston, MA 02111