

Via Facsimile and U.S. Mail  
Mail Stop 6010

September 18, 2008

Ms. Kim Cobleigh Drapkin  
Chief Financial Officer  
EPIX Pharmaceuticals, Inc.  
33 Hayden Avenue  
Lexington, MA 02421

**Re: EPIX Pharmaceuticals, Inc.**  
**Form 10-K for the Year Ended December 31, 2007**  
**Filed March 17, 2008**  
**File No. 000-21863**

Dear Ms. Drapkin:

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

Sincerely,

Joel Parker  
Accounting Branch Chief