

July 24, 2009

**VIA FACSIMILE TO (703) 813-6985 AND EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E., Mail Stop 3030  
Washington, DC 20549

Attention: Geoffrey Kruczek

Re: Oculus Innovative Sciences, Inc.  
File No. 333-158539

Dear Mr. Kruczek:

Pursuant to Rule 461 of the Rules and Regulations promulgated under the Securities Act of 1933, as amended, Oculus Innovative Sciences, Inc. (the "Company"), hereby requests that the above-captioned Registration Statement on Form S-1 (the "Registration Statement") be accelerated to July 24, 2009 at 4:30 pm EST or as soon as practicable thereafter. The Company acknowledges that:

- should the Commission or the staff, acting pursuant to delegated authority, declare the filing effective, it does not foreclose the Commission from taking any action with respect to the filing;
- the action of the Commission or the staff, acting pursuant to delegated authority, in declaring the filing effective, does not relieve the Company from its full responsibility for the adequacy and accuracy of the disclosure in the filing; and
- the Company may not assert staff comments and the declaration of effectiveness as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States.

The cooperation of the staff in meeting the Company's request is very much appreciated. Please call Amy Trombly at (617) 243-0060 if you have any questions or if we can otherwise be of assistance to you.

Very truly yours,

OCULUS INNOVATIVE SCIENCES, INC.

By: /s/ Jim Schutz

Jim Schutz

Vice President and General Counsel

cc: Amy Trombly, Esq.