

December 19, 2017

**VIA EDGAR**

Securities and Exchange Commission  
Division of Corporation Finance  
100 F. Street, N.E.  
Washington, D.C. 20549

Re: Aptose Biosciences Inc. (the "Company")  
Registration Statement on Form F-1 (File No. 333-221783)

Ladies and Gentlemen:

Pursuant to Rule 461 promulgated under the Securities Act of 1933, as amended (the "Securities Act"), the undersigned respectfully requests that the effective date of the above-referenced registration statement be accelerated so that the same will become effective on December 21, 2017 at 5 PM EST, or soon thereafter as is practicable.

Very truly yours,

Aptose Biosciences Inc.

By: /s/ William G. Rice

Name: William G. Rice, Ph.D.

Title: Chairman, President and Chief Executive Officer

cc: Daniel M. Miller (Dorsey & Whitney LLP)