

Aptose Biosciences, Inc.
251 Consumers Road, Suite 1105
Toronto, Ontario, Canada M2J 4R3

January 24, 2024

VIA EDGAR

United States Securities and Exchange Commission
Division of Corporation Finance
100 F. Street, N.E.
Washington, D.C. 20549
Attention: Jason Drory

Re: Aptose Biosciences Inc. – Registration Statement on Form S-1 (File No. 333-275870)

Ladies and Gentlemen:

In accordance with Rule 461 under the Securities Act of 1933, as amended, we hereby request acceleration of the effective date of the Registration Statement on Form S-1 (File No. 333-275870), as amended (the “Registration Statement”), of Aptose Biosciences Inc. We respectfully request that the Registration Statement become effective as of 4:30 p.m., Eastern Time, on January 25, 2024, or as soon thereafter as is reasonably practicable. Once the Registration Statement has been declared effective, please confirm orally that event with our counsel, Dorsey & Whitney LLP, by calling Dan Miller at (604) 630-5199.

Very truly yours,

Aptose Biosciences Inc.

By: /s/ William G. Rice

Name: William G. Rice

Title: Chief Executive Officer