



Rapid, quantitative, and precise analysis

Supporting seafood safety, public health, and harmful algal bloom monitoring

Bigelow Laboratory provides specialized testing for biotoxins that threaten aquatic ecosystems. Using modern, analytical approaches, our team delivers rapid, quantitative results for shellfish, tissue, and water samples from marine and freshwater systems. Our services support early detection, monitoring, and management.



WHAT WE OFFER

Bigelow Laboratory provides quantitative biotoxin testing using validated, professional laboratory methods, including:

- Paralytic shellfish poisoning (PSP)
- Amnesic shellfish poisoning (ASP)
- Diarrhetic shellfish poisoning (DSP)
- Microcystins (cyanotoxins)

Analytical approaches include high-performance liquid chromatography with post-column oxidation (HPLC-PCOX) and liquid chromatography triple-quadruple mass spectrometry (LC-QQQ-MS).

WHY WORK WITH BIGELOW LABORATORY

Rapid turnaround

Results are typically available within 24 to 48 hours to support timely decisions.

Quantitative results

We provide precise concentration data suitable for regulatory review, monitoring programs, and research applications.

Certified and trusted

Our laboratory is FDA- and Interstate Shellfish Sanitation Conference (ISSC)-certified and has supported Maine fisheries and monitoring programs for more than a decade.

Professional partnership

Our team works closely with clients to ensure analytical approaches meet regulatory requirements and program goals.

Bigelow | Laboratory for Ocean Sciences

Bigelow Laboratory offers a wide range of cutting-edge scientific services that power discovery, innovation, and real-world solutions. To see what else we offer, visit bigelow.org/services.

GET STARTED

For sample submission, pricing, or project discussions, contact:

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