Cyanotoxin Proficiency Testing Program
Microcystins
(2020-03) Registration Form

The Cyanotoxin Proficiency Testing Programs are intended to satisfy the increasing international demand for services and products for conformity assessment in the field of cyanotoxin analysis.

HOW IT WORKS

Eurofins Abraxis will produce and distribute test materials to allow screening and confirmatory analysis to be conducted separately. Each laboratory will test samples using their own test method (i.e. HPLC, ELISA, PP2A, etc.) and forward the results back to Eurofins Abraxis. The end product of the proficiency testing program is a clear and comprehensive report, where data are recorded, analyzed, and statistically evaluated. Analytical methods are also listed.

Test Program 2020-03 will consist of a total of 4 surface/recreational water samples fortified with one to four of the following microcystin congeners: LA, LF, LR, LY, RR, YR, dmMC-LR, nodularin. The registration deadline is May 31, 2020. Samples will be distributed in June 2020. Results are due by July 17, 2020. Reports will be available in August 2020. (Dates subject to change.)

EVALUATION CRITERIA

Each laboratory is assigned a z-score calculated as follows: z-score = (x – X) /sigma
Where: x = analyte concentration value reported by the laboratory
X is the assigned value
Sigma, the proficiency variation, is calculated based on fitness for purpose criteria using Thompson's modification to the Horwitz equation (Thompson, M., 2000, Analyst, 125, 385-386).

The laboratory performance evaluation is established taking into account the following criteria for z-score:

satisfactory	when	$\|z\| < 2$
questionable	when	$2 < \|z\| < 3$
unsatisfactory	when	$\|z\| > 3$

CONFIDENTALITY OF RESULTS

The identity of the participants is confidential. Each participant laboratory receives a unique code. Only with specific authorization from the participant will Eurofins Abraxis disclose all or part of the results/evaluation to third parties.

Name[1]: _____ **Institution[2]:** _____

Phone: _____ **Email:** _____

Technology to be used (i.e. LC, ELISA, etc.): _____

Address: _____

_____

[1]Contact person for final report **[2]As will appear on final report**

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