Saxitoxin in Lobster Tomalley
Sample Preparation

1. Intended Use
For the detection of Saxitoxin in lobster tomalley.

2. Materials and Reagents Required
Strainer (#10 sieve)
Plastic tablecloth (for protecting work area)
Deionized or distilled water (for rinsing samples prior to homogenization)
Immersion blender or equivalent electronic blender
600 mL plastic beaker
Permanent marker
10% Bleach solution (for cleaning equipment between samples)
Centrifuge
ABRAXIS® Saxitoxin (PSP), ELISA, 96-test (PN 52255B)

3. Notes and Precautions
This procedure is intended for use with lobster tomalley. Other matrices should be thoroughly validated before use with this procedure.

4. Sample Preparation and Extraction Procedure
NOTE: If a 100 g sample is needed for regulatory purposes, extraction solution volume should be adjusted accordingly

4.1 Remove tomalley from the lobster, wash with deionized water and homogenize.
4.2 Mix 10 g of homogenized tomalley with 10 mL of 0.1M HCl and boil for 5 minutes while stirring.
4.3 Allow to cool. Centrifuge for 10 minutes at approximately 3500 g.
4.4 Collect supernatant. Adjust pH to < pH 4.0 with 5 N HCl.
4.5 Remove 10 µL and dilute in 10 mL of 1X Sample Diluent (this will be a 1:1,000 dilution). Vortex
4.6 Analyze as sample (Assay Procedure, step 1 in the user guide)

5. Evaluation of Results
The ABRAXIS® Saxitoxin (PSP) ELISA Kit can be evaluated using commercial ELISA evaluation programs, and the concentrations of samples are determined using a standard curve of various Saxitoxin concentrations run with each test. Detailed information on the evaluation of results using the ABRAXIS® Saxitoxin (PSP) ELISA Kit can be found in the ABRAXIS® Saxitoxin (PSP) ELISA Kit User Guide.

6. For ordering or technical assistance contact

Gold Standard Diagnostics
795 Horsham Road
Horsham, PA 19044
WEB: www.abraxiskits.com

Phone: (215) 357 3911
Fax: (215) 357 5232
Ordering: info.abraxis@us.goldstandarddiagnostics.com
Technical Support: support.abraxis@us.goldstandarddiagnostics.com

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