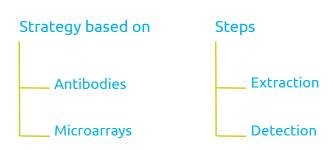


Rapid Screening for Contaminants in Seafood



Optical Biochip for Regulated Marine Biotoxins: Single and Multiplex Test Devices















Test Procedure

- 1. Add sample to assay buffer
 - •

2. Transfer to Cartridge

- 3. Read at 5-10 min
- **Targeting**
- Saxitoxin
- Okadaic Acid
- Domoic Acid
- Azaspiracid
- Tetrodotoxin



Dye-labeled Ab



Rapid Sample Preparation

- 1. Weigh homogenate
- 2. Dilute with buffer
- 3. Vortex/Mix and filter
- Dilute in assay buffer and apply to test cartridge

EU-Commission Regulation 853/2004

Marine Biotoxin Group	MRL per kg of Flesh	MRL/ppb
Paralytic Shellfish Toxins	800µg	800
Amnesic Shellfish Toxins	20mg	20000
Okadaic Acid, Dinophysistoxins and Pectenotoxins	160µg	160
Azaspiracids	160µg	160

Features & Benefits

- Developed using highly sensitive antibodies
- Excellent Limits of Quantification to meet global requirements- all <1ng/mL
- Does not require high level of techinical expertise
- 100 results possible when multiplex test is further developed
- Delivers results in 20 minutes
- Lower cost per test than confirmatory analysis





