

Alert®

For Histamine



Intended Use

Alert for Histamine is intended for the screening of histamine in scombroid species of fish, such as tuna, bluefish and mahi-mahi.

The Test

The test is a competitive direct ELISA for screening of histamine at 50 parts per million (ppm). Histamine is extracted from a sample in a quick water extraction process. This extract is filtered and then diluted into a buffer solution. Free histamine in the buffered sample and control competes with enzyme-labeled histamine (conjugate) for the antibody binding sites. After a wash step, substrate reacts with the bound enzyme conjugate to produce blue color. The color of the sample is visually compared to the control. If the sample contains less blue color (or more red), it contains more histamine than the control.

The Procedure

Samples must be extracted prior to testing.

1. Place 100 µL of conjugate into each mixing well.
2. Add 100 µL of control and diluted sample to its respective mixing well.
3. Transfer 100 µL to the antibody wells. Incubate for 10 minutes.
4. Dump liquid from antibody wells.
5. Wash wells thoroughly with diluted wash buffer.
6. Tap out remaining liquid on paper towel.
7. Add 100 µL of substrate to wells. Incubate for 10 minutes.
8. Add 100 µL of Red Stop.
9. Visually read results.

See package insert for complete instructions

Results



Product Specifications

- Control provided: 50 ppm (optional levels upon dilution)
- Testing time: 20 minutes
- Antibody cross-reactivity: Specific for histamine
- Tests per kit: Up to 20

Materials Recommended But Not Provided

Available from Neogen*

1. Graduated cylinder
2. Disposable bottles with 250 mL capacity
3. Neogen filter syringe, Whatman #1 filter paper, or equivalent
4. Sample collection tubes
5. Scale capable of weighing 10-50 grams
6. 100 µL pipettor
7. Tips for 100 µL pipettor
8. Microwell holder
9. Timer
10. Wash bottle

Not available from Neogen

1. Blender
2. Waterproof marker
3. Deionized or distilled water
4. Paper towels or equivalent absorbent material

* See *Equipment and Accessories*, pages 104–108

Ordering Information

Prod.#	Product description
9515	Alert for Histamine
9520	Alert for Histamine Extraction Kit