

Histamine Test Kit

Catalog No: E-IA-C049

100T

Version Number: V1.0
Replace version: /
Revision Date: 2026.05.27

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Email: techsupport@elabscience.com

Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This product is used for the rapid detection of Histamine in aquatic products (fish) sample, featuring simple operation and short detection time.

Technical indicator

Detection limit: 200 mg/kg.

Kits components

Item	Specifications
Histamine Reagent 1	1 vial
Histamine Reagent 2	1 vial
Histamine Reagent 3	1 vial
Histamine Reagent 4	1 vial
Histamine Reagent 5	1 vial
Histamine Reagent 6	1 vial
Histamine Extraction Agent	2 vials
10 mL Test Tube	1 pack
5 mL Test Tube	1 pack
Color Comparison Card	1 piece
Manual	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution.

Other materials required but not supplied

Instruments: Homogenizer, Centrifuge, Balance (sensitivity 0.01g), Oscillators, EP tubes.

Micropipette: Single channel (20-200 μ L, 100-1000 μ L)

Notes

- FOR RESEARCH USE ONLY. Do not use product out of date.
- The test tubes can be reused after rinsing and air-drying.
- Shake the detection solution well before use and add dropwise, store away from light at all times.
- Each reagent is optimized for use in the E-IA-C049. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-IA-C049 with different lot numbers.**
- Dispose of solid and liquid waste generated after using this product in accordance with local regulatory requirements to prevent contamination.
- This method is applicable to on-site rapid testing. Samples whose test results do not comply with standard limits or labeled values shall be measured in triplicate.
- The kit is used for rapid screening of actual samples. If the test result is positive, the instrument method such as HPLC, LC/MS, etc. can be used for quantitative confirmation.

Storage and expiry date

Storage: Store at 2-30°C. With cool and dry environment.

Expiry date: expiration date is on the packing box.

Experimental preparation

For testing, add 5 drops of Histamine Reagent 6 per sample (approximately 0.25 mL per sample). This reagent has a short shelf life after preparation. Prepare an appropriate amount based on the number of test samples and use it immediately after preparation.

1. Preparation of Histamine Reagent 6

Add **Histamine Reagent 4** and **Histamine Reagent 5** at a 1:1 ratio into the dropping bottle labeled "Histamine Reagent 6".

Operating Procedures

1. Mince the tissue of the test sample.
2. Weigh 1 ± 0.05 g of homogenized sample into a 10 mL Test Tube. Add 1 mL of **Histamine Reagent 1** and 4 mL of purified water. Shake vigorously or vortex for 5 minutes, then let stand for 10 minutes or centrifuge at 4000 rpm for 2 minutes.
3. Transfer 1 mL of the supernatant into a 5 mL Test Tube. Add 6 drops of **Histamine Reagent 2** and mix well. Add 2 mL of **Histamine Extraction Agent**, shake vigorously or vortex for 5 minutes, then let stand for 10 minutes or centrifuge at 4000 rpm for 2 minutes.
4. Transfer 1 mL of the upper liquid into a 5 mL Test Tube. Add 0.5 mL of **Histamine Reagent 3** and 5 drops of **Histamine Reagent 6**. Shake vigorously or vortex for 3 minutes, then let stand for 5 minutes or centrifuge at 4000 rpm for 1 minute.

Judgment of result

1. Compare the color of the upper liquid with the **Color Comparison Card**. The value corresponding to the matching or closest color grade is the test result. If the color falls between two color grades, take the average value of the two.