



RapidChek®

Histamine

RapidChek® Histamine is a ready-to-use test kit designed to screen fish for the presence of histamine. Since histamine is a byproduct of certain bacterial growth and is considered evidence of decomposition, conducting this test is mandatory before food processing to ensure compliance with food safety criteria.

How the test works

The method operates on the principle of histamine oxidation, catalyzed by an enzyme, and is linked to the reduction of a specific substrate. This chemical reduction manifests as a color change on the test pad, shifting from white to purple. The intensity of the purple color is directly proportional to the histamine concentration in the sample. The histamine concentration is then estimated by comparing the test pad's color with a provided color scale.

Applications

RapidChek® Histamine test kits provide a quick and easy semi-quantitative method for screening histamine levels in both frozen and fresh raw fish. Quality control measures aimed at minimizing the occurrence of scombrototoxic fish require the determination of histamine levels; in many markets, a level of 50 ppm is considered indicative of definite decomposition. The kit's detection range of 20 to 400 ppm makes it ideal for rapidly monitoring fish decomposition. The test requires only 8 minutes to complete and needs minimal equipment.

Kit contents

- Tube with 50 test strips
- Bottle with extraction buffer



Features and Benefits

Fast & simple procedure

- Time-to-result: 8 minutes
- Few number of steps
- Ready-to-use extraction buffer
- Clear color chart for direct result interpretation

Stable and easy to store

- 12 months of shelf life at room temperature (15 – 25 °C)
- 24 months of shelf life at 4 – 8 °C



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Carefully read the product manual before performing any test.

Sample extraction

1



Weigh **500 mg** homogenized fish and place it in a sample tube.

2



Add **1000 µl** extraction buffer and vortex for 10 seconds (or shake by hand for 1 minute).

3



Centrifuge the sample for 2 minutes at **full speed** in a table-top centrifuge.

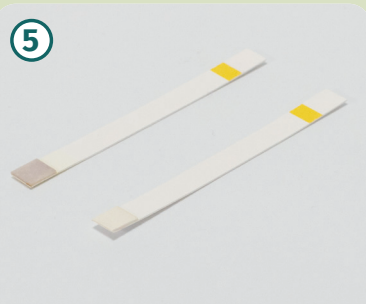
Assay procedure

4



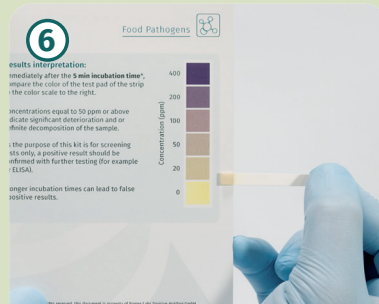
Take one RapidChek® Histamine strip and dip it into the sample tube for 5 seconds. Make sure to **fully submerge the sample pad**. Take the strip out and shake to remove any drop or debris.

5



Let the color develop for **5 minutes** and read the **result immediately**.

6



Compare the color of the reaction pad on the strip with the color scale provided in the 'Results Interpretation' section of the accompanying documentation.

Ordering Information

Item	Description	Item No.
RapidChek® Histamine	50 test strips and buffer	10007183