

AgraQuant® Histamine ELISA Test Kits

Romer Labs® offers ELISA Test Kits for detection of histamine in food. Histamine is a product of decomposition of histidine, a proteinogenic amino acid, caused by the growth of certain bacteria in seafood or ripened food products.



AgraQuant® Histamine ELISA Test Kit COKAL0500

The AgraQuant® Histamine Assay is a competitive enzyme-linked immunosorbent assay (ELISA) that determines a quantitative level for the presence of histamine in fish meal, fresh fish, milk, cheese, sausage and wine.

Matrix	Quantitation Range
Fish meal	100 – 10000 ppm
Fish, cheese, sausage	2.5 – 250 ppm
Milk	0.1 – 100 ppm
Wine, champagne	0.25 – 12.5 ppm

BENEFITS:

- complies with regulatory limits of histamine in food
- highly specific and sensitive
- fast – 25 minutes sample preparation and 55 minutes assay incubation time
- easy - simple sample preparation and ready to use reagents
- cost-effective - 96 microwell format; minimizes waste and maximizes value

AgraQuant® Histamine Rapid ELISA Test Kit COKAL0548

The AgraQuant® Histamine Rapid Assay is a competitive enzyme-linked immunosorbent assay (ELISA) that determines a quantitative level for the presence of histamine in fresh fish, canned fish, salted fish, fish in oil, and fish meal.

Matrix	Quantitation Range
Fish meal	3 – 300 ppm
Fresh fish	3 – 300 ppm

BENEFITS:

- complies with regulatory limits of histamine in food
- highly specific and sensitive
- fast – 15 minutes sample preparation and 20 minutes assay incubation time
- easy - simple sample preparation and ready to use reagents
- cost-effective - 48 microwell format; minimizes waste and maximizes value



AgraQuant® Histamine ELISA Test Kit

FOOD ALLERGENS

Procedure Summary

IMPORTANT: Please read kit insert before running the test.

AgraQuant® Histamine ELISA Test

Acylation:

- ➊ Pipette 100 µL of standards, controls and extracts into the respective wells of the Reaction Plate.
- ➋ Add 25 µL of Acylation Reagent to all wells.
- ➌ Pipette 200 µL of Acylation Buffer into all wells.
- ➍ Incubate 15 minutes.
- ➎ Use 25 µL for the ELISA.

Assay Procedure

- ➊ Pipette 25 µL of the acylated standards, controls and samples into the histamine coated wells.
- ➋ Pipette 100 µL of the Histamine Antiserum into all wells.
- ➌ Incubate 30 minutes on a shaker (approx. 600 rpm).
- ➍ Discard contents from the wells and wash each well 3 times with 300 µL Wash Buffer. Tap to dry the plate.
- ➎ Pipette 100 µL of the Enzyme Conjugate into each well.
- ➏ Incubate for 10 minutes on a shaker (approx. 600 rpm).
- ➐ Discard contents from the wells and wash 3 times with 300 µL Wash Buffer. Tap to dry the plate.
- ➑ Pipette 100 µL of Substrate into all wells.
- ➒ Incubate for 15 minutes.
- ➓ Add 100 µL of Stop Solution.
- ➑ Read the absorbance at 450 nm using differential filter at 630 nm.

AgraQuant® Histamine Rapid ELISA Test

Acylation:

- ➊ Pipette 50 µL of standards and extracts into the respective wells of the Master Block.
- ➋ Add 1.5 mL of Acylation Buffer to all wells.
- ➌ Pipette 50 µL of Acylation Reagent into all wells.
- ➍ Incubate 5 minutes.
- ➎ Use 50 µL for the ELISA.

Assay Procedure

- ➊ Pipette 50 µL of acylated standards and acylated samples into the histamine coated wells.
- ➋ Pipette 100 µL of Histamine Antiserum Conjugate into each well.
- ➌ Incubate 10 minutes on a shaker (approx. 600 rpm).
- ➍ Discard the contents of the wells and wash each well 3 times with 300 µL Wash Buffer. Tap to dry the plate.
- ➎ Pipette 100 µL of Substrate into each well.
- ➏ Incubate 10 minutes on a shaker (approx. 600 rpm).
- ➐ Add 100 µL of Stop Solution.
- ➑ Read the absorbance at 450 nm.

For further information, please contact:

• office@romerlabs.com • salesasia@romerlabs.com • office-europe@romerlabs.com