CREATIVE BIOMART®
Assay Kit

Histamine Assay Kit

Product Information

Cat.No. Kit-2069

Product Overview

Histamine assay kit is based on histamine dehydrogenase catalyzed oxidation of histamine in which the formed electron mediator reduces a formazan (MTT) reagent. The intensity of product color, measured at 565 nm is directly proportional to histamine concentration in the sample.

Size

100 tests

Description

HISTAMINE (C5H9N3) is a biogenic amine naturally present in many foods and body cells in amounts without toxicological significance. It is also a contaminant that mostly found in the Scombridae family fishes such as tuna and mackerel or other seafood products when improperly handled or stored. The consumption of foods containing high level of histamine may lead to an allergy-like food poisoning known as scombroid poisoning.

Applications

For quantitative determination of histmaine in food, beverage and agricultural products.

Storage

The kit is shipped on ice. Store all components at -20°C upon receiving. Shelf life: 6 months after receipt.

Kit Components

Assay Buffer: 10 mL Standard: 1.0 mL 20 mM HistamineHDH Enzyme: 120 µL

Detection method OD565nm

Compatible Sample Types

Food, beverage and agricultural products

Features & Benefits

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• Fast and sensitive. Use of 20 μL sample. Linear detection range 0.0025 to 1 mM histamine in 96-well plate assay.• Convenient. The procedure involves adding a single working reagent, and reading the absorbance after 30 minutes. Room temperature assay. No 37°C heater is needed.• High-throughput. "Add-mix-read" type assay. Can be readily automated as a high-throughput 96-well plate assay for thousands of samples per day.

Assay time
30 min
Sensitivity
Detection Limit: 2.5 uM

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