CREATIVE BIOMART®
Assay Kit

Histamine Assay Kit

Product Information

Cat

Kit-2466

Cat.No. Kit-2466

Product Overview

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. 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.

Storage

-20°C

Shipping

On Ice

Size

100 tests

Detection method OD565nm

Compatible Sample Types

Food, beverage and agricultural products

Features & Benefits

Fast and sensitive. Use of 20 µL sample. Linear detection range 0.0025 - 1 mM (0.3 - 111 ppm) histamine in 96-well plate assay.
Convenient. The procedure involves adding a single working reagent, and reading the absorbance

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Histamine Assay Kit

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
2.5 μM

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