# **AOAC-RI PTM-CERTIFIED METHOD FOR HISTAMINE ANALYSIS**

# **Histamine Test**











### **Caution for use**

- These reagents cannot be used for purposes other than in-house hygiene testing and research applications.
- In addition to the material supplied in the kit and an absorption spectrometer, apparatus such as a micropipette and EDTA solution are required for running the test.
- Histamine is prone to adhere to glass; therefore, apparatus made of plastic should be used.
- This Histamine Test is a colorimetric enzymatic assay for the quantitative analysis of histamine in fresh, frozen and canned Scombridae fish species such as tuna, bonito and mackerel.

## Matrices for which AOAC-RI PTM Certification has been granted

The test is AOAC-RI PTM certified for the determination of histamine in tuna (raw and frozen), bonito (raw and frozen), mackerel (raw and frozen), canned tuna (canned in water or oil) and fish sauce (where the ingredients anchovies). It can also be used for determination in other fish and products, etc. AOAC-RI is an international organization for the evaluation of analytical methods, and validation is further evidence of the reliability of the test.

## **Product Specifications**

- Range of detection 0.4-6.0 ppm (10-150 ppm, since fish meat is diluted 25-fold)
- Product code: 61341 / for 60 assays

### **Principle of Measurement**



In this method, histamine present in the sample reacts with the enzyme histamine dehydrogenase and a colorimetric reagent. Therefore, the quantitative level of histamine is determined by measuring the intensity of the color reaction. \* Enzyme reagent: histamine dehydrogenase, Colorimetric reagent. WST-8

#### **Recommended Spectrometers**

- Absorption spectrometer B (Model ABS-B470)
- Absorption spectrometer RGB (Model DPM2-ABS)

# For inquiries related to the measuring instruments

KYORITSU CHEMICAL-CHECK Lab.Corp. Email:eng@kyoritsu-lab.co.jp Tel +81-3-3721-9207 ※ A general-purpose spectrophotometer can also be used



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# er B (Model ABS-B470) er RGB (Model DPM2-ABS)