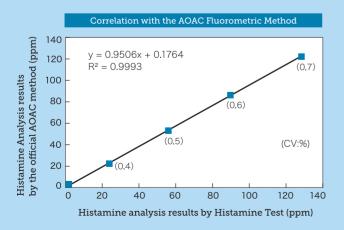
## **AOAC-RI PTM-CERTIFIED METHOD FOR HISTAMINE ANALYSIS**

# **Histamine Test**









## Just dissolve the reagents and mix with the sample

The analysis procedure is simple and easy to operate. Due to the high specificity of the enzyme, no hazardous chemicals – such as strong acids or organic solvents – are needed.



# The reaction takes only 15 minutes

For raw fish samples, the test can be fully completed - from sample preparation to result - in one hour.

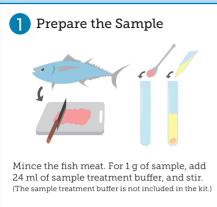


### AOAC-RI PTM-Certified Method

The test has been shown to have a high correlation with the AOAC Fluorometric Method.



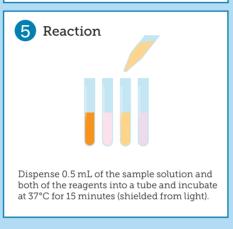
### Assay Procedure (raw fish)

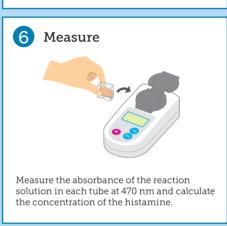












#### Caution for use

- 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**

Histamine

Enzyme reagent



Colorimetric

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 +81-3-372l-9207 \*\* A general-purpose spectrophotometer can also be used





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