

Formaldehyde Test Kit

Catalog No: E-IA-C008

100T

Version Number: V1.0
Replace version: /
Revision Date: 2026.05.20

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Email: techsupport@elabscience.com

Website: www.elabscience.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This product is used for the rapid detection of Formaldehyde in Baijiu (Chinese liquor), yuba, vermicelli, rice noodles, rice cakes, steamed buns, flour products (such as flour), rice products, soybean products, as well as bamboo shoots, white sugar, mustard tuber, aquatic products, etc sample, featuring simple operation and short detection time.

Technical indicator

Detection limit: 1 mg/kg.

Kits components

Item	Specifications
Detection Solution A	1 vial
Detection Solution B	1 vial
Detection Solution C	1 vial
2 mL Test Tube	5 pieces
Sample Cup	1 pack
Disposable Dropper	1 pack
Color Comparison Card	1 piece
Manual	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution.

Other materials required but not supplied

Instruments: Homogenizer, Nitrogen Evaporators, Water bath, Centrifuge, Graduated pipette, Balance (sensitivity 0.01g), Oscillators, EP tubes.

Micropipette: Single channel (20-200 μ L, 100-1000 μ L)

Notes

1. FOR RESEARCH USE ONLY. Do not use product out of date.
2. The test tubes and sample cup can be reused after rinsing and air-drying.
3. For reagents stored for a long time, prepare blank samples with purified water first. If the blank sample turns purple after adding the test reagent, discontinue use immediately.
4. Formaldehyde detection reagents shall be kept away from newly renovated rooms and newly purchased food safety testing vehicles.
5. Shake the detection solution well before use and add dropwise, store away from light at all times.
6. **Each reagent is optimized for use in the E-IA-C008. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-IA-C008 with different lot numbers.**
7. Dispose of solid and liquid waste generated after using this product in accordance with local regulatory requirements to prevent contamination.
8. This method is applicable to on-site rapid testing. Samples whose test results do not comply with standard limits or labeled values shall be measured in triplicate.
9. The kit is used for rapid screening of actual samples. If the test result is positive, the instrument method such as HPLC, LC/MS, etc. can be used for quantitative confirmation.

Storage and expiry date

Storage: Store at 2-30°C. With cool and dry environment.

Expiry date: expiration date is on the packing box.

Operating Procedures

1. **Sample pretreatment:** Directly test liquid samples. For solid samples, cut them into small pieces. Weigh 2 ± 0.05 g sample into a sample cup, add 20 mL distilled water or purified water, soak and extract for 10-15 minutes.
2. Pipette 1.0 mL of sample supernatant into a **2 mL Test Tube**. Add 1 drop of **Detection Solution A** and 1 drop of **Detection Solution B** into the test tube, cover the tube and shake well. Uncap the tube after 1 to 2 minutes, add 1 drop of **Detection Solution C**, cover and shake thoroughly, then observe the color development after 1 minute.

Judgment of result

1. **Negative:** No color change or any color other than purplish red indicates negative, meaning the tested sample contains no Formaldehyde.
Positive: A purplish red color indicates a positive reaction; the deeper the color, the higher the Formaldehyde content. Compare the color shade with the **Color Comparison Card** to determine the concentration.