

**Formaldehyde Sodium Bisulfite Test Kit**

Catalog No: E-IA-C007

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](mailto:techsupport@elabscience.com)

Website: [www.elabscience.com](http://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 Sodium Bisulfite in foods such as yuba, vermicelli, rice noodles, rice cakes, steamed buns, flour products (e.g., flour), rice products, soybean products, as well as bamboo shoots, white sugar, mustard tuber, etc sample, featuring simple operation and short detection time.

**Technical indicator**

**Detection limit:** 10 mg/kg.

**Kits components**

Item	Specifications
Detection Solution A	2 vials
Detection Solution B	2 vials
Detection Solution C	2 vials
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  $\mu$ L, 100-1000  $\mu$ L)

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## Notes

1. FOR RESEARCH USE ONLY. Do not use product out of date.
2. The test tubes 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 Sodium Bisulfite 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-C007. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-IA-C007 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:** Cut the sample into small pieces. Weigh  $2\pm 0.05$  g of the sample into a **Sample Cup** using a balance, add 10 mL of distilled water or purified water, and soak for 10 to 15 minutes.
2. Pipette 1.0 mL of sample supernatant into a **2 mL Test Tube**. Add 5 drops of **Detection Solution A** and 5 drops of **Detection Solution B** into the test tube, cover the tube and shake well. Uncap the tube after 1 to 2 minutes, add 5 drops of **Detection Solution C**, cover and shake thoroughly, then observe the color development.

## Judgment of result

1. **Negative:** No color change or any color other than purplish red indicates negative, meaning the tested sample contains no Formaldehyde Sodium Bisulfite.  
**Positive:** A purplish red color indicates a positive reaction, suggesting that the tested sample may contain Formaldehyde Sodium Bisulfite. Compare the color shade with the **Color Comparison Card** to determine the concentration.