

**Raw Water in Cool Drinks Test Kit**

Catalog No: E-IA-C070

100T

|                         |            |
|-------------------------|------------|
| <b>Version Number:</b>  | V1.0       |
| <b>Replace version:</b> | /          |
| <b>Revision Date:</b>   | 2026.07.09 |

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 Raw Water in cool drinks, featuring simple operation and short detection time.

## Kits components

| Item                 | Specifications |
|----------------------|----------------|
| Detection Solution A | 2 vials        |
| Detection Solution B | 2 vials        |
| Detection Solution C | 2 vials        |
| 4 mL Test Tube       | 1 pack         |
| Dropper              | 1 pack         |
| 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)

## 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 Do not use product out of date.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. **Each reagent is optimized for use in the E-IA-C070. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-IA-C070 with different lot numbers.**
4. Dispose of solid and liquid waste generated after using this product in accordance with local regulatory requirements to prevent contamination.
5. 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.
6. 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. Pipette 2 mL of cool drinks into a **4 mL Test Tube**, add 3 drops of **Detection Solution A**, 2 drops of **Detection Solution B** and 1 drop of **Detection Solution C**, mix well, let stand for 1-2 minutes, and observe the color change of the solution.

### Judgment of result

1. **Positive:** If the solution turns blue, raw water has been added to the cold beverage.
2. **Negative:** If the solution shows no color change, it indicates that raw water is not mixed into the cold beverage.