

Ammonia Nitrogen Test Kit

Catalog No: E-IA-C018

100T

Version Number:	V1.0
Replace version:	/
Revision Date:	2026.09.14

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 Ammonia Nitrogen in water sample, featuring simple operation and short detection time.

Technical indicator

Detection limit: 0.15 mg/L.

Kits components

Item	Specifications
Detection Solution A	2 vials
Detection Solution B	2 vials
Detection Solution C	2 vials
Test Tube	1 pack
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 Do not use product out of date.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. Immediately rinse centrifuge tubes after testing. The test tubes can be reused after air-drying.
3. The test liquid shall be colorless or light-colored. Colored liquids must be decolorized prior to detection. (Decolorization methods: activated carbon adsorption or dilution method.)
4. If the test liquid is turbid, allow it to stand for a period of time and take the clear fraction for detection.
5. The ammonia nitrogen content of the test liquid shall be within the specified limit; samples exceeding the range shall be adjusted in advance.
6. Colorimetric measurement must be completed within the specified time. Results obtained beyond the time limit are invalid.
7. **Each reagent is optimized for use in the E-IA-C018. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-IA-C018 with different lot numbers.**
8. Dispose of solid and liquid waste generated after using this product in accordance with local regulatory requirements to prevent contamination.
9. 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.
10. 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. Transfer 1.0 mL water sample into a 5 mL **Test Tube**. Add 2 drops of **Detection Solution A** and mix well. Add 1 drop of **Detection Solution B** and mix well. Add 2 drops of **Detection Solution C**, cap the tube and mix thoroughly.
2. Allow to stand for 15 min for color development. Compare with the **Color Comparison Card** and read the Ammonia Nitrogen concentration in the water sample.

Judgment of result

1. Compare with the **Color Comparison Card**, the closest color corresponds to the Ammonia Nitrogen content. The unit concentration of the colorimetric card is **mg/L**.