

## Wheat Nutrient Solution

Cat. No.: W1526374 | Pack size: 500 mL | Storage: Store at 2-8°C

### Overview

Wheat (scientific name: *Triticum aestivum*) is one of the most important gramineous food crops worldwide, known as "the cornerstone of human staple food". In China, wheat ranks among the top food crops in both planting area and total yield, serving as the primary raw material for staple foods such as flour, noodles, steamed buns and bread. Botanically, wheat is an annual or biennial herbaceous plant. Its growth cycle generally consists of seven stages: seedling emergence, tillering, jointing, heading, flowering, grain filling and ripening. It is classified into winter wheat and spring wheat according to sowing season. Wheat Nutrient Solution is generally composed of macronutrients, micronutrients, iron salts and calcium salts, with a total salt content of approximately 940 mg/L and a pH value of  $5.7 \pm 0.2$ . These nutrients supply essential substances for plant growth, supporting root development, leaf photosynthesis and grain formation. This reagent is for scientific research only and shall not be used for clinical diagnosis or other purposes.

### Operating Procedures (For Reference Only):

Dilute the solution 2-4 times for wheat seedlings; it can be used directly for mature wheat plants.

### Precautions:

1. Keep the product away from direct sunlight to prevent algae growth inside the solution.
2. Replace the nutrient solution and clean the root system promptly once algae appear during cultivation.
3. Use the reagent as soon as possible after opening to avoid negative impacts on subsequent experiments.
4. For your safety and health, wear a lab coat and disposable gloves during operation.
5. This product is intended solely for research use; any other application is strictly prohibited.

### Specifications

| Item                    | Information                           |
|-------------------------|---------------------------------------|
| Specifications & Purity | BioReagent                            |
| Stability And Storage   | Store at 2-8°C long term (12 months). |
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| Shipped In | Wet ice. This product requires cold chain shipping. Ground and other economy services are not available. |
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## Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

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| <p>NORTH AMERICAN SALES, SUPPORT &amp; GENERAL INQUIRIES</p> <p><b>Aladdin Scientific Corporation</b></p> <p>14078 Meridian Parkway, Riverside, CA 92518, USA</p> <p><b>Phone:</b> 1-833-552-7181</p> <p><b>Sales:</b> sales@aladdinsci.com</p> <p><b>Customer Service:</b> custserv@aladdinsci.com</p> | <p>EU SALES, LOGISTICS &amp; LOCALIZED SUPPORT</p> <p><b>Aladdin Biochem Deutschland GmbH</b></p> <p>Westring 2, 33142 Büren, Germany</p> <p><b>Phone:</b> +02951 9383958</p> <p><b>Support:</b> support.eu@aladdinsci.com</p> |
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## Limitations & Disclaimer

- ☐ For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- ☐ This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- ☐ Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- ☐ Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- ☐ Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.