

User Manual

OriCell™ L-Glutamine (100×)

Catalog No.SGLU-10201



Introduction

L-Glutamine is an essential amino acid for cell growth, involved in protein synthesis and nucleic acid metabolism. It supports the growth of cells with high energy demands and those synthesizing large amounts of proteins and nucleic acids. It can serve as an alternative energy source for rapidly dividing cells and cells that cannot efficiently utilize glucose.

L-Glutamine is very stable in dry powder and frozen solution forms but is unstable in aqueous solution. Its degradation rate varies depending on storage time, temperature, and the pH of the storage environment. Optimal cell performance usually requires adding L-glutamine supplements to the culture medium just before use.

Note: This product is only provided for further scientific research. It is not intended for diagnostic, therapeutic, clinical, household, or any other applications.

When citing our products in academic journals, please indicate “OriCell™ + Catalog Number, from Cyagen Biosciences (Guangzhou) Inc.”

Product Information

| Component | Concentration (mM) |
|----------------------|--------------------|
| OriCell™ L-Glutamine | 200 |

QC

- Pass the detection of bacteria, fungi, mycoplasma and endotoxins.
- Pass the detection of osmotic pressure and pH.
- Pass the detection of product quality.

Please reference "COA" for details.

Product Stability and Storage Conditions

1. This reagent should be stored at -20°C in a dark place, with a shelf life of 1 year.
2. If it cannot be used up in a short period, please aliquot and store it; do not repeatedly freeze and thaw this product.
3. Please use within the shelf life; expired reagent may seriously affect its effectiveness.

Instructions

1. Remove the product from the -20°C freezer and thaw it in a 4°C refrigerator.
2. After thawing, the L-glutamine supplement may contain considerable flocculent or particulate precipitates; shake the product thoroughly until it becomes clear and transparent.
3. When in use, add the supplement to complete medium at a volume ratio of 1 (L-Glutamine) to 100 (complete medium).
4. Mix the complete medium thoroughly and protect it from light using aluminum foil or other light-shielding materials.

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