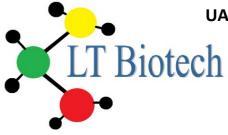
# **UAB "LT Biotech"**



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# Stable Glutamine (200 mM) LTGA04

#### **Product Description**

L-glutamine is an essential amino acid that is a crucial component of culture media that serves as a major energy source for cells in culture. L-glutamine in liquid media degrades relatively rapidly when cultured at +37°C and toxic degradation products (ammonium ions) can interfere and my cause damage to cells.

Stable Glutamine is a stable dipeptide form of L-glutamine. Unlike L-glutamine, Stable Glutamine does not spontaneously break down to form ammonia. Instead, cells cleave the dipeptide bond to release L-glutamine as needed. This system prevents waste build-up and maintains a fresh supply of L-glutamine during long-term culture. This solution is prepared in cell culture grade water.

#### **Applications**

- Direct substitute for L-glutamine
- For mammalian cell cultures
- For suspension and adherent cell cultures
- Essential media component

## **Product Specifications**

pH	6.5 – 7.5
Osmolality	420 – 500 mOsmol/kg
Endotoxin	≤10 EU/ml
Sterility	Tested
Storage	Store at ≤-15°C.

## **Precautions and Disclaimer**

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.