

## Product Information

L- Glutamine (200 mM)

Cat. No.: K0100-670      Volume: 100 ml

### 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 is very stable as a dry powder and as a frozen solution. However, in liquid media or stock solutions, L-glutamine degrades relatively rapidly. Toxic degradation products of L-glutamine (ammonium ions) can interfere and may cause damage to cells. Optimal cell performance usually requires supplementation of the media with L-glutamine prior to use. This solution is prepared in cell culture grade water.

### Applications

- Essential component of cell culture media

### Product Specifications

pH	6.5 – 7.5
Osmolality	420 – 500 mOsmol/kg
Endotoxin	≤10 EU/ml
Sterility	Tested
Storage	Store at ≤-15°C. Once the product has been opened and refrigerated, it should be used within 2 weeks. For longer storage, aliquot and freeze. Avoid repeated freeze/thaw cycles.

### Formulation

Component	g/l	Molecular Weight g/mol	Concentration mM
L-Glutamine	29.20	146.14	200.00

### 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.