

L-Glutamine (200 mM)

General information

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.

Product specifications

Appearance	Clear frozen liquid
Storage and shelf life	Store at ≤ -15 °C. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at 4 °C and use within 2-4 weeks.
Shipping conditions	Frozen (Dry ice)
Thawing	+37 °C water bath or overnight at +2 °C to +8 °C. Swirl gently to homogenize.

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.

Ordering information

Catalogue number	Pack size
LTGA02	100 ml

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