

L-Glutamine-Longlife Solution for Cell Culture

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L-glutamine is an essential amino acid required by virtually all mammalian and insect cells grown in culture. L-alanyl-L-glutamine (L-Glutamine- Longlife) can be used as a direct substitute for L-glutamine at equal molar concentrations (2 to 4 mM for most applications). Whereas L-glutamine is labile in cell culture medium and its degradation results in a deleterious build-up of ammonia, L-Glutamine-Longlife dipeptide is very stable with minimal ammonia production. Once inside the cell, the dipeptide is split by aminopeptidases into L-alanine and L-glutamine.

Product Specification:

Formula: L-alanyl-L-glutamine
43.44g/L L-Glutamine Longlife; this corresponds to a concentration of 200mM
85.00g/L NaCl

Shipment:

dry ice

Storage:

Store at -20°C for longer times
Short time storage at 2 - 8°C

How to use:

Add 2 to 4 mM for most applications to 500 ml cell culture medium.

Product Information

Catalogue number: PB-LU-000-0000-Glut-M
Quantity: 100 ml

MSDS available upon request!

For research use only!

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