

Product Information

Stable Glutamine, 200 mM

Catalogue Number: GBSG01

General Information

L-glutamine is a necessary amino acid and an important part of culture medium because it provides a significant amount of energy for cells in culture. When cultivated at +37°C, L-glutamine in liquid medium degrades quite quickly, and hazardous breakdown products (ammonium ions) might disrupt and potentially harm cells.

A stable dipeptide form of L-glutamine is known as stable glutamine. Stable glutamine does not spontaneously degrade into ammonia like L-glutamine does. Rather, to release L-Glutamine when required, cells break the dipeptide link. Throughout a prolonged culture, this mechanism minimises waste accumulation and ensures a constant supply of L-Glutamine.

Water suitable for cell culture is used to make this solution.

Specification

Appearance	: Clear frozen liquid
Storage and shelf life	: Store at $\leq -15^{\circ}\text{C}$. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at $+4^{\circ}\text{C}$ and use within 4-6 weeks.
Shipping Conditions	: Frozen (Dry ice)
Thawing	: $+37^{\circ}\text{C}$ water bath or overnight at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$. Swirl gently to homogenize.

This product is for research use only.

Need help?

If you have any further queries, please feel free to email our cell culture specialists at info@genexisbiotech.com

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