


CTS™ GlutaMAX™ -I

Catalog Numbers A4737001 and A1286001

Pub. No. MAN0007389 Rev. 2.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

CTS™ GlutaMAX™ -I, L-alanyl-L-glutamine, is a dipeptide substitute for L-glutamine and can be used as a direct substitute for L-glutamine at equimolar concentrations in mammalian and stem cell culture with minimal or no adaptation. CTS™ GlutaMAX™ -I is highly soluble, heat stable, and improves growth efficiency and performance of mammalian cell culture systems. CTS™ GlutaMAX™ -I eliminates problems associated with the spontaneous breakdown of L-glutamine into ammonia during incubation. The Gibco™ CTS™ product line enables you to reduce your burden in qualifying reagents during your transition from research applications to clinical applications.

Contents and storage

Product	Catalog No.	Amount	Storage	Shelf Life ^[1]
CTS™ GlutaMAX™ -I (bag)	A4737001	100 mL	15°C to 30°C	12 months
CTS™ GlutaMAX™ -I (bottle)	A1286001	100 mL	15°C to 30°C	24 months

^[1] Shelf Life duration is determined from Date of Manufacture.

Important information

- Formulated as a 200-mM L-alanyl-L-glutamine dipeptide in 0.85% NaCl.

Use

Direct equimolar substitution for L-glutamine in mammalian cell culture.

Supplement with CTS™ GlutaMAX™ -I

- Aseptically add the required molar concentration to culture medium.
- If a lag in growth is observed upon conversion to CTS™ GlutaMAX™ -I, we recommend that you supplement the culture media with CTS™ GlutaMAX™ -I and L-glutamine at a 3:1 concentration (e.g., if an 8 mM final concentration is required, use 6 mM CTS™ GlutaMAX™ -I and 2 mM L-glutamine) for the first and second passages during adaptation to the new culture conditions.

Limited product warranty

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Related products

Product	Catalog No.
L-glutamine-200mM (100X), Liquid	25030



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Revision history: Pub. No. MAN0007389

Revision	Date	Description
2.0	05 March 2021	Rebranded. Added Sku A4737001.
1.0	2012	New document.

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