


GlutaMAX™ -1, 200 mM (100X)

Pub. No. MAN0007318 Rev. 3.0

 **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

GlutaMAX™ -1, L-alanyl-L-glutamine, is a dipeptide substitute for L-glutamine. GlutaMAX™ -1 can be used as a direct substitute for L-glutamine at equimolar concentrations in both adherent and suspension mammalian cell cultures with minimal or no adaptation. GlutaMAX™ -1 is highly soluble, heat-stable, and improves growth efficiency and performance of mammalian cell culture systems. GlutaMAX™ -1 eliminates problems associated with the spontaneous breakdown of L-glutamine into ammonia during incubation, allowing for longer lasting cultures. GlutaMAX™ -1 supplement is also available pre-supplemented in a variety of media formulations.

Product	Cat. No.	Amount	Storage	Shelf Life ^[1]
GlutaMAX™ -1, 200 mM (100X)	35050061	100 mL	15°C to 30°C	24 months
	35050079	20 x 100 mL		
	35050038 ^[2]	100 mL		
	35050087 ^[2]	20 x 100 mL		

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

^[2] For European customers only.

Important information

- Formulated as a 200 mM (100X) L-alanyl-L-glutamine dipeptide in 0.85% NaCl

Use

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

Supplement with GlutaMAX™ -1

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

Related products

Product	Cat. No.
L-glutamine 200mM (100X), liquid	25030
GlutaMAX™ -1 CTS™	A12860
DMEM/F-12, GlutaMAX™	10565
RPMI, GlutaMAX™	61870
OptiMEM™ Reduced Serum Medium, GlutaMAX™	51985

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

The information in this guide is subject to change without notice.

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