

L-Glutamine 200 mM 100X Solution

Cat. No.	Pack Size
MTE0353	100 ml

For *in vitro* use only

Reagent Composition:

This product is a 200 mM solution of L-glutamine prepared in cell culture grade water.

- 29.22 mg / ml L-glutamine,

Description:

L-glutamine is an essential amino acid and 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. Optimal cell performance usually requires supplementation of the media with **L-glutamine** prior to use.

Recommended concentration:

The concentration of **L-glutamine** used in classical media ranges from 2 mM to 4 mM.

pH: 7.0 – 7.6

Storage: -20°C

Cell culture: Tested

Sterility: Tested

Safety warnings and precautions:

Only persons trained in laboratory techniques should handle this product and its components. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

Some applications this product is used in may require a license, which is not provided by the purchase of this product. Users should obtain the license if required.

Related products:

Cat. No.	Product	Pack Size
MTE0347	IMDM, (w L-Glutamine, w 25mM HEPES, wo sodium hydrogen pyruvate)	500 ml
MTE0348	DMEM, (w 4,5g/L Glucose, wo L-Glutamine, wo sodium pyruvate, wo sodium hydrogen pyruvate)	500 ml
MTE0349	Ham's F12, (w L-Glutamine, wo sodium hydrogen pyruvate)	500 ml
MTE0350	Glasgow-MEM, (w L-Glutamine, wo Tryptose/Phosphate-Boullion, wo sodium hydrogen pyruvate)	500 ml
MTE0352	Penicillin/Streptomycin (10000IU/10000 ug/ml,100x)	100 ml
MTE0354	Cell freezing mix (FCS/DMSO)	50 ml
MTE0355	NEA (Non-essential amino acids)	100 ml
MTE0356	Sodium Pyruvate 100mM	100 ml
MTE0357	1X PBS (without Ca ⁺² , Mg ⁺²)	500 ml
MTE0358	Trypsin/EDTA (0.05% / 0.02% in PBS)	100 ml