



Research Laboratories

**L-Glutamine (200 mM)
(L-Glu)**

Catalog Number: 0813

Product Description

L-Glutamine is an essential amino acid that is a crucial component of culture media that serves as a major energy source for cells in culture. The normal concentration of L-Glutamine in media is 292 mg/L or 2 mM. L-Glutamine is not stable for long periods of time unless it is frozen. In liquid media or stock solutions, however, L-glutamine degrades relatively rapidly. Optimal cell performance usually requires supplementation of the media with L-glutamine prior to use. The material should be aliquoted to smaller volumes and then frozen.

Formula

L-Glutamine	29,230 mg/L
NaCl	8,500 mg/L

Specifications

pH	6.0 ± 0.2
Osmolality (mOsm)	450 ± 20
Cell Growth Promotion	75% of control
Endotoxin (EU/ml)	<0.1
Sterility	Negative
Functional Test	85% of control
Storage	-10°C to -20°C

Product Use Statement

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or in vitro procedures.

Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.