

## L-glutamine (200 mM)

### Product Use

L-glutamine is an essential amino acid required for cell culture growth. 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. The material should be aliquoted to smaller volumes and then frozen.

### Formula

	17-605	17-905
L-glutamine	29,230 mg/L	29,230 mg/L
NaCl	8,500 mg/L	8,500 mg/L

15-605	Powder
17-605	200 mM liquid
17-905	200 mM liquid screened for hybridoma production

### Usage

EMEM	2 mM concentration	10 ml/L
DMEM	4 mM concentration	20 ml/L
RPMI	2.1 mM concentration	10.3 ml/L

### Specifications

	pH	Osmolality (mOsm)	Cell Growth Promotion (% of control)	Endotoxin (EU/ml)	Sterility	Moisture	Functional Test (% of control)
15-605	FIO	FIO	≥ 75%	≤ 2	--	≤ 1%	--
17-605	5.58-6.78	423-499	≥ 75%	FIO	Neg.	--	--
17-905	5.58-6.78	423-499	≥ 75%	FIO	Neg.	--	≥ 85%

### Storage

-10°C to -20°C	17-605 and 17-905
2°C to 8°C	15-605

### 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.

### Ordering Information

Catalog Number	Description	Size
17-605C	200 mM L-glutamine	50 ml
17-605E	200 mM L-glutamine	100 ml
17-605F	200 mM L-glutamine	500 ml
17-905C	200 mM L-glutamine	50 ml
15-605G	L-glutamine Powder	25 g

TS-15-605-3 06/07