

## 200mM Glutamine XL

**Catalog #:** 118-288-061 100mL

**Store at:** 2°C to 8°C (protect from light)

**Shipped at:** dry ice

### Description

Quality Biological's (QBI) 200mM Glutamine XL is prepared from ACS Grade L-Alanyl-L-Glutamine using QBI's physiological saline. The final product is sterile filtered through a 0.1 µm filter.

### Applications

L-Alanyl-L-Glutamine is a dipeptide of L-Glutamine. L-Alanyl-L-Glutamine incorporates L-alanine that protects the unstable alpha amino acid group. Aminopeptidases within cells cleave the dipeptide, gradually releasing both L-glutamine and L-alanine for use by the cell.

### Directions

Dilute the 200mM Glutamine XL the same way as L-Glutamine in the appropriate cell culture medium. Typically, L-Glutamine is diluted to a final concentration of 1 – 4mM.

### Quality Control

#### *General*

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

#### *Product Specific Testing*

Glutamine XL, 200mM is routinely tested to verify it meets product specifications for the following parameters:

- *pH*
- *Osmolality*
- *Growth Performance*
- *Microbial Tested*

### Related Products

QBI offers many types of basal media with or without L-Alanyl-L-Glutamine. For example, we offer Dulbecco's Modified Eagle's Medium (DMEM), RPMI-1640 Medium, as well as Minimum Essential Medium with Earle's balanced salts (EMEM). See our website for a full listing of media.

**All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.**