

PREPARATION OF GLUTAMINE FOR TISSUE CULTURE MEDIA

L-Glutamine has molecular weight of 146

1.0 Molar = 146 gms/liter

1.0 mill_Molar (1.0mM) = 146×10^{-3} gm/liter

200 mM = $146 \times 200 \times 10^{-3}$ gm/liter = 29.2 gms/liter

To prepare, dissolve 14.6 gm L-Glutamine in 500 ml of saline (no azide).

Sterilize by membrane filtration and aliquot in 2 ml volumes in 12 x 75 mm Falcon snap top tubes.

To freeze - do not seal Falcon #2058 tube completely. on the tube to the first "click" only.

Push the cap down

Freeze in tube racks on a 45° angle.

When frozen, caps should be pushed completely onto the tube so that the airtight 2nd seal position of the cap is maintained.

5.8g L-glutamine, N.R.C.

from GIBCO Cat. 810-1051

in 200ml 3x dH₂O ← sterile filter

2ml aliquots

Current T.C. use 1982