

1M HEPES Buffer Stock

(Greg A. Perry, Ph.D.)

(makes 100ml)

Equipment:

100 ml beaker
Stir plate and bar
100 ml bottle (sterile)
0.2 μ m filter (sterile)

Reagents:

23.83 gm HEPES (N-2-Hydroxyethylpiperazine-N'-2-Ethane Sulfonic Acid; $C_8H_{18}N_2O_4S$; FW=238.3)
(Gibco #11344-041 or Sigma #H-4034)
100 ml Distilled Water

Method:

- 1) Combine ingredients and mix well. Solution should be clear.
- 2) 0.2 μ m sterile filter into sterile 100ml bottle.

Stock concentration = 1 M

To use: Add 20 μ l/ml media. Final concentration = 20 mM.