

100 mM Thymidine Blocking Solution

(Greg A. Perry, Ph.D.)

Equipment:

50 ml Conical Tube (Sterile)

Reagents:

41.322 ml Sterile PBS or Tissue Culture Media without serum (example: RPMI-1640)
1 gm Thymidine (Sigma # T1895)

Method:

1. Add the thymidine to the media and mix well until it's in solution.
2. Keep sterile and refrigerated.

Notes:

This actually produces a 99.8816 mM solution of thymidine.

Reference:

Bostock, C.J., D.M. Prescott and J.B. Kirkpatrick. An evaluation of the double thymidine block for synchronizing mammalian cells at the G1-S border. *Experimental Cell Research* 68(1): 163-168, 1971.