

Propidium Iodide Solutions

(Greg A. Perry, Ph.D.)

Equipment:

15 ml Conical tube
50 ml Conical tube
Aluminum foil

Reagents:

5 mg Propidium Iodide (Sigma #P-4170)
5 ml Distilled water
45 ml Dulbecco's PBS (DPBS)

Method:

PI Stock Solution (1 mg/ml)

- 1) Weigh out PI and place in 15ml conical tube.
- 2) Dilute PI to 1 mg/ml with distilled water.
- 3) Cover tube with foil and store refrigerated.

Note: This stock solution should be completely dissolved and without solids.

PI Working Solution (0.1 mg/ml)

- 1) Dilute 5 ml of stock solution with 45 ml Dulbecco's PBS in 50 ml conical tube.
- 2) Store refrigerated.