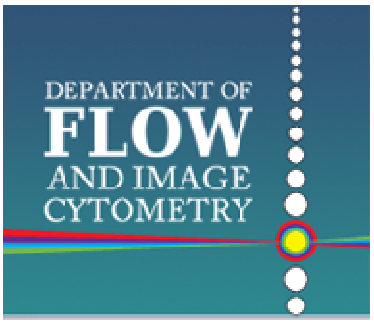
DNA Stain in KRISHAN BUFFER
(PI solution 0.05 mg/ml)

From: SOP RPCI Department of Flow and Image Cytometry – 2013



Reagents:

- 0.1% Sodium Citrate
- 0.2 mg/ml RNAse (Worthington # 5356965).
  Procedure note: Because RNAse is difficult to weigh out, a stock solution of 2.5 mg/ml is made up and stored at 4°C.
- 0.05 mg/ml Propidium Iodide (Sigma #P-4170)
- 0.2% NP 40 (or Igepal, Sigma #I-3021)
- 1N HCl
- Deionized H_20.

Procedure:

1. Place 200 ml of deionized H_2O into dark bottle
2. Add:
   - 0.2 grams of Sodium Citrate
   - 1.6 ml 2.5 mg/ml RNAse solution
   - 10 mg Propidium Iodide
   - 400 µl of NP 40
   - 1 drop 1N HCl

   (all volumes may be divided in half to make up only 100 ml of stain)
3. Store at 4 ℃ (shelf life 3-4 weeks).