

Propidium Iodide Staining for Dead Cell Exclusion

- For the exclusion of dead cells in unfixed samples
 - Dead cells will stain an intense red (peak emission 610nm)
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REAGENT LIST:

-Propidium Iodide Staining Solution
Propidium Iodide 0.5 mg/ml in PBS

PROTOCOL:

Staining:

1. Add 5ul of stock Propidium Iodide to 0.5ml cell suspension (1-2x10E6 cells/ml) on ice.
 2. Analyze after approx. 1 minute incubation.
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TIPS:

1. Cells appearing bright red should be excluded from analysis.
 2. May be run along with FITC and PE with fluorescence compensation/subtraction.
 3. Cells need not be washed out of the PI.
 4. Logarithmic amplification of the PI signal helps to tighten up populations
 5. Cells left in PI stain for extended periods (more than 30mins) may show higher dead cell percentages
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