

Propidium Iodide staining

Materials

PI – stock 1 mg/ml in dH₂O

Method

1. Dilute stock 1:1000 in buffer or dH₂O.
2. Stain sample for 1-5 minutes.
3. Wash with buffer or dH₂O.
4. Observe with excitation: (493 nm), emission: (636 nm).

Notes

- Propidium iodide is a cationic dye that does not readily cross intact membranes but binds to cell walls, forming an outline of living cells.
- The dye will enter a dead cell, leading to staining within the cell and will eventually bind to DNA and RNA.