Propidium Iodide Solution

Catalog# / Size 421301 / 2 mL
Regulatory Status RUO
Other Names PI

Description Propidium iodide (PI) is a fluorescent dye that binds to DNA. When excited by 488nm laser light, it can be detected with in the PE/Texas Red® channel with a bandpass filter 610/10. It is commonly used in evaluation of cell viability or DNA content in cell cycle analysis by flow cytometry.

Product Details

Formulation Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide.
Concentration 0.5 mg/ml
Storage & Handling The solution should be stored undiluted between 2°C and 8°C, and protect from light. Caution: This solution contains hazardous material; handle with care.

Application

FC - Quality tested

Recommended Usage

The suggested use of this solution for viability staining is 10 µl per million cells in 0.5 ml/test, and incubate for 15 minutes at 4 °C before analysis. For Cell Cycle analysis, please see our Propidium Iodide Cell Cycle Staining Protocol. Caution: This solution is toxigenic and mutagenic; handle with care.

Excitation Laser Blue Laser (488 nm)

Application Notes Propidium Iodide Solution can be used in evaluation of apoptosis, cell viability and cell cycle analysis by flow cytometry.

Application References


Product Citations

Antigen Details

Biology Area: Cell Biology, Cell Cycle/DNA Replication, Neuroscience
Gene ID: NA

Related Protocols

- Propidium Iodide Cell Cycle Staining Protocol
- Cell Surface Flow Cytometry Staining Protocol

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