

# Propidium Iodide

Catalog # U0332      Size 100 mg

## Applications

Fluorescence profiles of propidium iodide bound to dsDNA.

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## Specification

Product Description	Propidium iodide is a red-fluorescent nuclear and chromosome counterstain. Since propidium iodide is not permeant to live cells, it is also commonly used to detect dead cells in a population.
Chemical Name	Phenanthridinium, 3,8-diamino-5-[3-(diethylmethylammonio)propyl]-6-phenyl-, diiodide
Chemical Formula	$C_{27}H_{34}I_2N_4$
MW	668.4
Detection Method	Fluorescent
Excitation (nm)	535
Emission (nm)	617
Solubility	Water
Sub-Cellular Localization	Nucleus and Nucleic Acids
Cell Permeability	Cell-impermeant
Regulation Status	For Research Use Only (RUO)
Storage Instruction	Store at room temperature and protect from light.

**Note**

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## Applications

- Cell Staining