

## Propidium iodide Solution (1mg/ml)

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Propidium iodide Solution (1mg/ml)	ML067-10ML	10 ml

**Introduction:** Propidium iodide Solution (1mg/ml) is a ready-to-use fluorescent dye used for the staining of nucleic acids as it intercalates into double-stranded nucleic acids. This reagent is widely used for the measurement of DNA content during cell cycle analysis and evaluation of cell death and apoptosis as it penetrates the cell membranes of dead cells but not of the live cells.

**Description:** Propidium iodide (PI) binds to DNA without any sequence preference by intercalating between the base pairs with a stoichiometry of one dye per 4 - 5 base pairs of DNA. When PI binds to DNA the fluorescence emission maxima is shifted to 615–620 nm. PI can be detected in both red as well as yellow fluorescence channel upon excitation by a 488 nm laser. It is used for identification of dead cells as it can penetrate them but not the viable cells.

**Application:** Propidium iodide Solution is mainly used for fluorescence microscopy, flow cytometry and fluorometry for cell cycle analysis and exclusion of dead cells from viable cells.

**Properties:**

Appearance	: Red colored solution
Clarity	: Clear and free of particles
DNase & RNase	: None detected
Suitability test	: This solution has been tested and is suitable for use

**Storage conditions:** The Propidium iodide Solution (1mg/ml) has to be stored at 2-8 °C.

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Please refer disclaimer Overleaf.



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## Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).



Consult instructions for use



Do not use if package is damaged



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