

Propidium iodide Solution (1mg/ml)

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

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. Under recommended condition, the solution is stable for 12 months.

Please refer disclaimer Overleaf.

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Performance and Evaluation

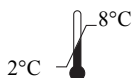
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The Propidium iodide Solution (1mg/ml), is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices

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.



Storage temperature



Do not use if package is damaged



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ML067-03

Disclaimer :

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