Propidium iodide Solution (1mg/ml)

**Product Information**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Code</th>
<th>Kit Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propidium iodide Solution (1mg/ml)</td>
<td>ML067-10ML</td>
<td>10 ml</td>
</tr>
</tbody>
</table>

**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.
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.

Consult instructions for use

Do not use if package is damaged

HiMedia Laboratories Pvt. Limited,
Reg. Off: 23 Vadhani Industrial Estate,
LBS Marg, Mumbai - 400086,
India Works: B/4-6, M.I.D.C., Dindori,
Nashik, India (or respective plant address)
Customer Care No: 022-6116 9797
www.himedialabs.com

Disclaimer:
User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.