

910-3002 **Solution 2 - Propidium Iodide** 25 mL

Contents	<p>Bottle with 25 mL Solution 2 - Propidium Iodide (PI).</p> <p>The solution contains PI (20 µg/mL ~ 30 µM ~ 0.002%) and Triton X-100 (1 mg/mL ~ 1.6 mM ~ 0.1%) in PBS (pH 7.4).</p> <p>EINECS no. for Propidium Iodide is 247-081-0</p>
Application	<p>Solution 2 - PI stains nucleic acid of fixed and permeabilized cells. Solution 2 can be used for quantifying DNA content of e.g. animal cells and yeast cells allowing for determination of G₀/G₁, S and G₂/M cell cycle phases.</p>
Principle	<p>Solution 2 - PI is a competent dye for measurement of the cell cycle stages. The intensity of fluorescence of PI stained cell is in stoichiometric relationship to the DNA content. For accurate DNA content measurements, it is a prerequisite that the cells are fixed/permeabilized and RNase treated prior to PI staining.</p>
Usage	<p>The solution is for research and development purposes only and is not for diagnostic or therapeutic use.</p>
Storage	<p>Store at 2-7°C</p>
Stability	<p>For unopened bottles, the expiry date is shown on the bottle.</p> <p>The solution is produced 15 months before the expiry date.</p> <p>The solution expires 2 months after opening the bottle.</p>
Safety Information	<p>In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If a spill is observed, perform a clean-up of the area which may have been in contact with the solution. Use gloves and suitable protective clothing.</p> <p>Please also refer to MSDS regarding safety information.</p>
Disposal of Waste	<p>After use, the bottle should be disposed of according to national or local laws and regulations regarding the nature of the mixture it contains.</p>