

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

Contents	<p>Solution 2 - Propidium Iodide (25 ml).</p> <p>The solution contains propidium iodide (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>The EINECS no. for PI is 247-081-0.</p>
Application	<p>Solution 2 - Propidium Iodide stains nucleic acids of fixed and permeabilized cells and is used for the quantification of DNA content of e.g. animal and yeast cells allowing for the determination of G₀/G₁, S and G₂/M cell cycle phases.</p>
Principle	<p>Solution 2 - Propidium Iodide is a competent dye for the measurement of cell cycle stages. The fluorescence intensity of PI-stained cells is in stoichiometric relationship to the DNA content. For accurate DNA content measurements, it is a prerequisite that the cells are fixed/permeabilized and treated with RNase prior to staining with PI.</p>
Use	<p>The solution is for research use only (RUO) and is not for diagnostic or therapeutic uses.</p>
Storage	<p>Store at 2-8°C.</p>
Stability	<p>Unopened bottles can be stored until the expiry date indicated on the bottle. The solution is produced 15 months prior to the expiry date.</p> <p>We recommend using the solution no later than the expiry date or two (2) months after opening the bottle, whichever comes first.</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.</p> <p>Use gloves and suitable protective clothing.</p> <p>Please also refer to the safety data sheet (SDS) for safety information.</p>
Disposal	<p>After use, dispose of the bottle following national or local laws and regulations, according to the nature of its contents.</p>