

910-3016 Solution 16 – Propidium Iodide 1 mL

Contents	<p>Microtube with 1 mL Solution 16 - Propidium Iodide (PI)</p> <p>The solution contains Propidium Iodide (PI) (500 µg/mL ~ 0.7 mM ~ 0.05%) and sodium azide (NaN₃) (0.1 mg/mL ~ 1.5 mM ~ 0.01 %).</p> <p>EINECS no. for PI is 247-081-0</p> <p>EINECS no. for NaN₃ is 247-852-1</p>
Application	<p>Solution 16 - PI stains nucleic acids of dead, fixed and permeabilized cells. PI can be used for identification of dead cells and for quantifying DNA content of e.g. animal cells allowing determination of G₀/G₁, S and G₂/M cell cycle phases.</p>
Principle	<p>Solution 16 - PI is a cell impermeant dye that only stains cells with a compromised plasma membrane. PI is commonly used for quantitatively assessment of 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 microtubes the expiry date is shown on the microtube and on the plastic container. The solution is produced 15 months before the expiry date.</p> <p>The solution expires 2 months after opening the microtube.</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 microtube should be disposed of according to national or local laws and regulations regarding the nature of the mixture it contains.</p>