

910-3012 Solution 12 - DAPI**1 ml**

Contents	<p>Solution 12 – DAPI (1 ml).</p> <p>The solution contains 4',6-diamidino-2-phenylindole (DAPI; 500 µg/ml ~ 1,4 mM ~ 0.05%) and sodium azide (NaN₃; 0.1 mg/ml ~ 1.5 mM ~ 0.01 %).</p> <p>The EINECS no. for DAPI is 249-186-7.</p> <p>The EINECS no. for NaN₃ is 247-852-1.</p>
Application	<p>Solution 12 - DAPI stains nucleic acids of fixed and permeabilized cells. DAPI is used for quantification of DNA content of e.g., animal cells allowing determination of G₀/G₁, S, and G₂/M cell cycle phases.</p>
Principle	<p>Solution 12 - DAPI is a competent dye for the measurement of cell cycle stages. The fluorescence intensity of DAPI-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 prior to DAPI staining.</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 microtubes can be stored until the expiry date indicated on the microtubes. 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 microtubes, 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 microtube following national or local laws and regulations, according to the nature of its contents.</p>