

910-3003 Solution 3 - DAPI**25 mL**

Contents	Bottle with 25 mL Solution 3 - DAPI . The solution contains 4',6-diamidino-2-phenylindole (DAPI) (1 µg/mL ~ 3 µM ~ 0.0001%) and Triton X-100 (1 mg/mL ~ 1.6 mM ~ 0.1%) in PBS (pH 7.4). EINECS no. for DAPI is 249-186-7
Application	Solution 3 - DAPI stains nucleic acid of fixed and permeabilized cells. Solution 3 can be used for quantifying DNA content of e.g. animal cells allowing for determination of G ₀ /G ₁ , S and G ₂ /M cell cycle phases.
Principle	Solution 3 - DAPI is a competent dye for measurement of the cell cycle stages. The intensity of fluorescence integrated over a 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.
Usage	The solution is for research and development purposes only and is not for diagnostic or therapeutic use.
Storage	Store at 2-7°C
Stability	For unopened bottles the expiry date is shown on the bottle. The solution is produced 15 months before the expiry date. The solution expires 2 months after opening the bottle.
Safety Information	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. Please also refer to MSDS regarding safety information.
Disposal of Waste	After use, the bottle should be disposed of according to national or local laws and regulations regarding the nature of the mixture it contains.