910-3012 Solution 12 - DAPI 1 mL

Contents	Microtube with 1 mL ***Solution 12 - DAPI***. The solution contains 4',6-diamidino-2-phenylindole (DAPI) (500 µg/mL ~ 1,4 mM ~ 0.05%) and sodium azide (NaN_3) (0.1 mg/mL ~ 1.5 mM ~ 0.01 %). EINECS no. for DAPI is 249-186-7 EINECS no. for NaN_3 is 247-852-1
Application	***Solution 12 - DAPI*** stains nucleic acid of fixed and permeabilized cells. DAPI can be used for quantifying DNA content of e.g. animal cells allowing determination of G_0/G_1, S and G_2/M cell cycle phases.
Principle	***Solution 12 - 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 microtubes the expiry date is shown on the microtube and on the plastic container. The solution is produced 15 months before the expiry date. The solution expires 2 months after opening the microtube.
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 microtube should be disposed of according to national or local laws and regulations regarding the nature of the mixture it contains.

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