

910-3005 **Solution 5 - VitaBright-48™•Propidium Iodide** **•Acridine Orange** **1 mL**

Contents	<p>Microtube with 1 mL Solution 5 - VitaBright48™ (VB-48™)•Propidium Iodide (PI)•Acridine Orange (AO).</p> <p>The solution contains VB-48™ (400 µg/mL ~ 1.34 mM ~ 0.04%), PI (500 µg/mL ~ 0.75 mM ~ 0.05%) and AO (1.2 µg/mL ~ 3.2 µM ~ 0.00012%) in DMSO.</p> <p>EINECS no. for PI is 247-081-0 EINECS no. for AO is 253-353-6 EINECS no. for DMSO is 200-664-3</p>
Application	Solution 5 - VB-48™•PI•AO enables the user to detect changes in cell vitality.
Principle	Solution 5 contains three different dyes: AO staining all nucleated cells, PI staining non-viable cells only and VB-48™ which stains cells in an intensity-dependent manner reflecting their redox status. A high fluorescence intensity of a particular cell indicates that the cell has a high level of reduced thiols. VB-48™ is a marker for detection of mid-stage to late apoptosis in mammalian cells.
Usage	Thaw and mix before use! The solution is for research and development purposes only and is not for diagnostic or therapeutic use.
Storage	Store at < 5°C Protect the solution against moisture and light.
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 1 month after opening the microtube.
Safety Information	Dimethyl Sulfoxide (DMSO) is an irritating organic compound with long term effects. DMSO has the hazard classification: Xi Risk-phrases: R36/37/38 (Irritating to eyes, respiratory system and skin). Safety-phrases: S26 (In case of contact with eyes, rinse immediately with plenty of water and seek medical advice) S37 (Wear suitable gloves) 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.