

910-3020 Solution 20 - VitaBright-48™ 100 µL

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| Contents | Microtube with 100 µL Solution 20 - VitaBright-48™ (VB-48™) . The solution contains VB-48 (1 mM ~ 298 µg/mL ~ 0.03%) in DMSO. EINECS no. for DMSO is 200-664-3. |
| Application | Solution 20 - VB-48™ enables the user to detect changes in the level of reduced thiols such as GSH in apoptotic cells or cells undergoing other pathological processes. As the level of reduced thiols is an indicator of the overall health status, this assay provides a very easy and fast way to evaluate cell vitality. |
| Principle | VB-48™ is a non-fluorescent compound, however, it forms a strongly fluorescent product inside viable cells. VB-48™ 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. |