

910-3019 **Solution 19 - VitaBright-43™** 100 µL

Contents	Microtube with 100 µL Solution 19 - VitaBright-43™ (VB-43™) . The solution contains VB-43™ (1 mM, ~ 274µg/mL ~ 0.027%) in DMSO. EINECS no. for DMSO is 200-664-3.
Application	Solution 19 - VB-43™ 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-43™ is a non-fluorescent compound, however, it forms a strongly fluorescent product inside viable cells. VB-43™ 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-43™ is a marker for detection of early to mid-stage 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.