

**910-3020 Solution 20 - VitaBright-48™ 100 µl**

<b>Contents</b>	<b>Solution 20 - VitaBright-48™</b> (VB-48™) (100 µl). The solution contains VB-48 1 mM ~ 298 µg/ml ~ 0.03% in dimethyl sulfoxide (DMSO). The EINECS no. for DMSO is 200-664-3.
<b>Application</b>	<b>Solution 20 - VitaBright-48™</b> enables detection of changes in the level of reduced thiols, including GSH in apoptotic cells or cells undergoing other pathological processes. As the level of reduced thiols is an indicator of the overall cellular health status, this assay provides a very easy and fast way to evaluate cell vitality.
<b>Principle</b>	VB-48™ is a non-fluorescent compound, which forms a strongly fluorescent product once inside a viable cell. VB-48™ stains cells in an intensity-dependent manner reflective of their redox state. A high fluorescence-intensity indicates that the cell has a high level of reduced thiols. VB-48™ is a marker for detection of mid- to late-stage apoptosis in mammalian cells.
<b>Use</b>	Thaw and mix before use! The solution is for research use only (RUO) and is not for diagnostic or therapeutic uses.
<b>Storage</b>	Store at < 5°C. Protect the solution against moisture and light.
<b>Stability</b>	Unopened microtubes can be stored until the expiry date indicated on the on the microtube. The solution is produced 15 months prior to the expiry date. We recommend using the solution no later than the expiry date or one (1) month after opening the bottle, whichever comes first.
<b>Safety information</b>	DMSO is an irritating organic compound with long term effects. DMSO's hazard classification is: 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 the safety data sheet (SDS) for safety information.
<b>Disposal</b>	After use, dispose of the microtube following national or local laws and regulations, according to the nature of its contents.