910-3005　Solution 5 - VB-48™•PI•AO　　　1 ml

Contents	**Solution 5 - VB-48™•PI•AO** (1 ml).
	The solution contains VitaBright -48™ (VB-48™; 400 µg/ml ~ 1.34 mM ~ 0.04%), propidium iodide (PI; 500 µg/ml ~ 0.75 mM ~ 0.05%) and acridine orange (AO; 1.2 µg/ml ~ 3.2 µM ~ 0.00012%) in dimethyl sulfoxide (DMSO).
	The EINECS no. for PI is 247-081-0.
	The EINECS no. for AO is 253-353-6.
	The EINECS no. for DMSO is 200-664-3.
Application	**Solution 5 - VB-48™•PI•AO** enables detection of changes in cell vitality.
Principle	**Solution 5 - VB-48™•PI•AO** contains three different dyes: AO stains all nucleated cells, PI stains non-viable cells only, and VB-48™ stains cells in an intensity-dependent manner reflective of their redox state. A high fluorescence intensity of a particular cell indicates that the cell has a high level of reduced thiols. VB-48™ is used to detect mid- to late-stage apoptosis in mammalian cells.
Use	Thaw and mix before use!
	The solution is for research use only (RUO) and is not for diagnostic or therapeutic uses.
Storage	Store at < 5°C.
	Protect the solution against moisture and light.
Stability	Unopened microtubes can be stored until the expiry date indicated 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 microtube, whichever comes first.
Safety information	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.
Disposal	After use, dispose of the bottle following national or local laws and regulations, according to the nature of its contents.

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