

# LIVE OR DEAD KITS SELECTION GUIDE



## Live or Dead™ Fixable Dead Cell Staining Kits

Cat. no.	Kit Color	Laser	Filter	Ex (nm)	Em (nm)	Channel
22600	Blue	UV (350 nm)	450/40 nm	353	442	Pacific Blue
22502	Orange Fluorescence with 405 nm Excitation	Violet (405 nm)	525/50 nm	398	550	Pacific Orange
22501	Green Fluorescence with 405 nm Excitation	Violet (405 nm)	525/40 nm	408	512	AmCyan
22500	Blue Fluorescence with 405 nm Excitation	Violet (405 nm)	450/40 nm	410	450	Pacific Blue
22601	Green	Blue (488 nm)	530/30 nm	498	521	FITC
22599	Red Fluorescence Optimized for Flow Cytometry	Blue/Green (488/532 nm)	610/20 nm	523	617	Custom
22602	Orange	Blue/Green (488/532 nm)	575/26 nm	547	573	PE
22603	Red	Yellow (561 nm)	610/20 nm	583	603	PE-Texas Red
22604	Deep Red	Red (640 nm)	660/20 nm	649	660	APC
22605	NIR Fluorescence	Red (640 nm)	789/60 nm	749	775	APC-Cy7

\* All Live or Dead™ Fixable Dead Cell Staining Kits are ideal for flow cytometry.

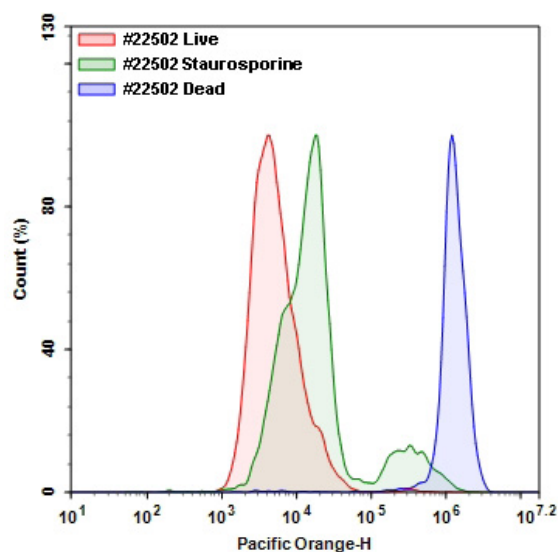


Figure 1. Jurkat cell viability detected by Live or Dead™ Fixable Dead Cell Staining Kit (Cat# 22502). Cells were treated, stained with Stain It™ V550, fixed in 3.7% formaldehyde, then analyzed by flow cytometry. Live (red), staurosporine treated (green) and heat-treated (blue) cells were distinguished with Pacific Orange channel.

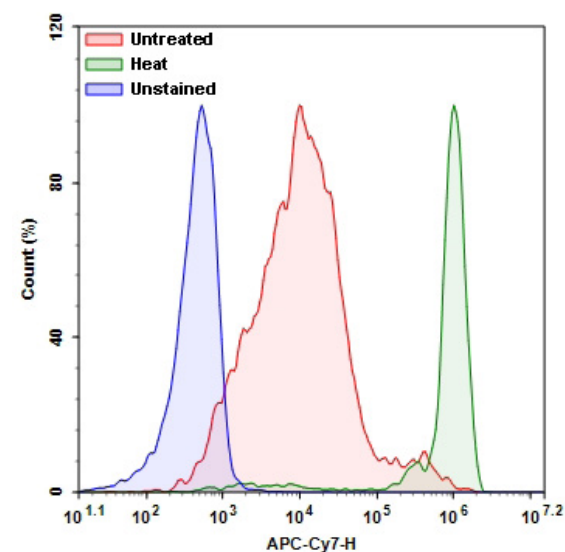


Figure 2. Jurkat cell viability detected by Live or Dead™ Fixable Dead Cell Staining Kits (Cat#22605). Cells were treated, stained with Stain It™ NIR, fixed in 3.7% formaldehyde, then analyzed by flow cytometry. Live (red), heat-treated (green) and unstained (blue) cells were distinguished with APC-Cy7 channel.



Cat. no.	Kit	Cell Type	Probes	Ex (nm)	Em (nm)	Live Color	Dead Color	Platforms
22788	Live or Dead™ Cell Viability Assay Kit	Eukaryotic	Cellbrite™ Red Nuclear Blue™ DCS1	613 348	631 469	Red	Blue	Fluorescence Microscope, Microplate, or Flow Cytometry
22789	Live or Dead™ Cell Viability Assay Kit	Eukaryotic	CytoCalcein™ Green Propidium Iodide	494 537	514 618	Green	Red	Fluorescence Microscope, Microplate, or Flow Cytometry
22411	MycoLight™ Fluorescence Live/Dead Bacterial Imaging Kit	Bacterial	MycoLight™ 520 Propidium Iodide	488 537	530 618	Green	Red	Fluorescence Microscope
22476	Live or Dead™ Yeast CFDA-AM/Propidium Iodide Vitality Kit	Yeast	CFDA-AM Propidium Iodide	498 537	517 618	Green	Red	Flow Cytometry

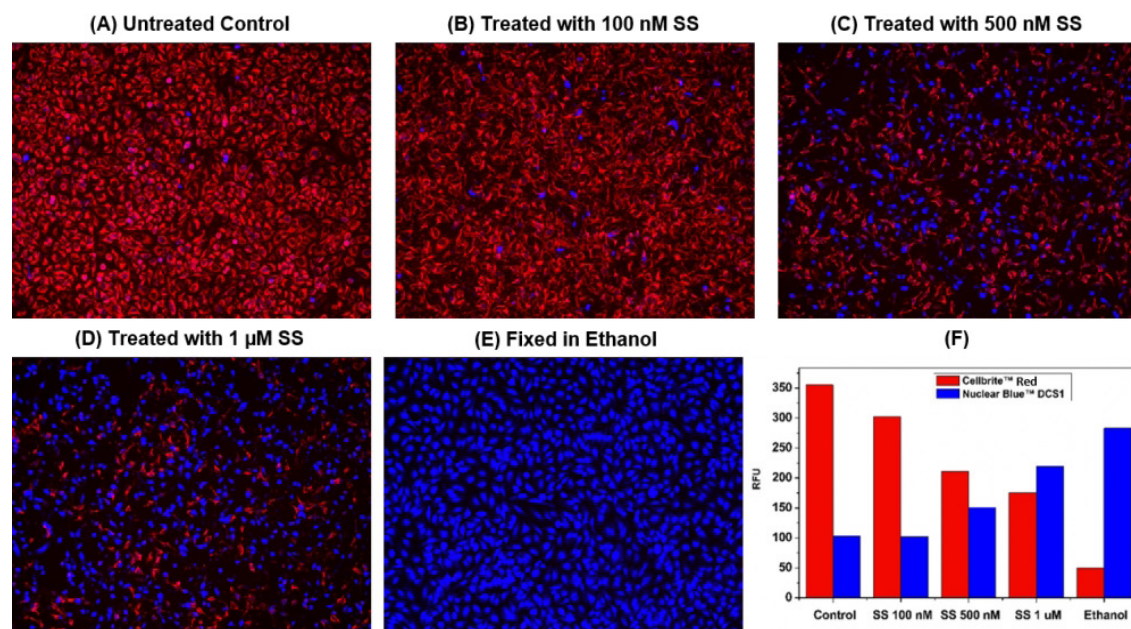


Figure 1. HeLa cells labeled with Live or Dead™ Cell Viability Assay Kit (Cat#22788). Cells were treated with 0-1 µM staurosporine at 37°C for 4 hrs (A-D), or fixed in ethanol (E), then incubated with dye-loading solution for 1 hr. Signal was measured using fluorescence microscope with Texas Red/Cy5 filter for viable cells (Red) and DAPI for necrotic cells (Blue).

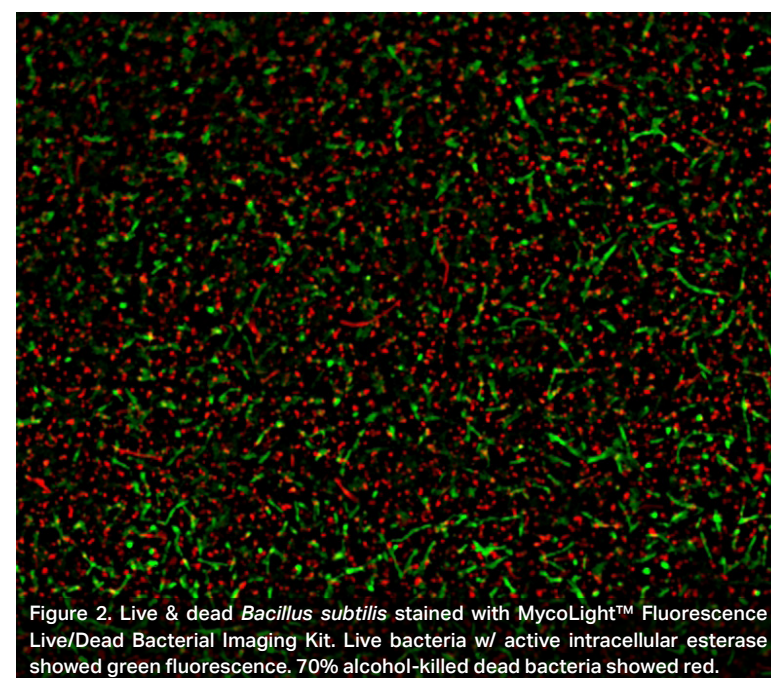


Figure 2. Live & dead *Bacillus subtilis* stained with MycoLight™ Fluorescence Live/Dead Bacterial Imaging Kit. Live bacteria w/ active intracellular esterase showed green fluorescence. 70% alcohol-killed dead bacteria showed red.

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