

#47501 Store at 4°C

7-AAD Cell Staining Solution



Support: +1-978-867-2388 (U.S.)
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New 03/20

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications

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Description: 7-AAD Cell Staining Solution is supplied in an aqueous buffered solution containing less than 0.09% sodium azide. It can be used to stain apoptotic cells.

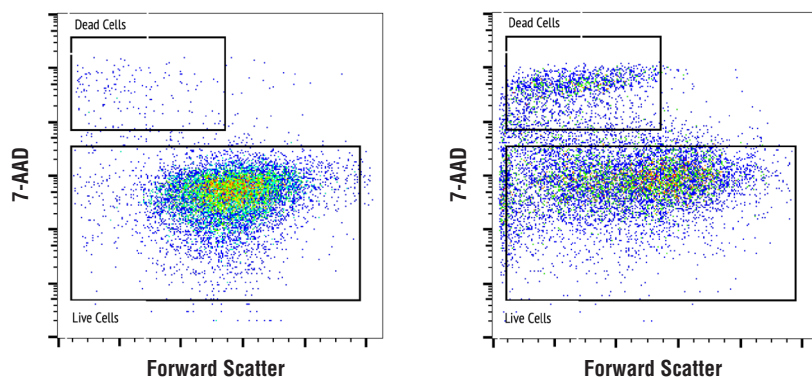
Directions for Use: As a last step for flow cytometric assays, add 10 μ l of 7-AAD Cell Staining Solution to 100 μ l of sample. Incubate in the dark for 10 min at room temperature before analyzing cells on flow cytometer.

Background: 7-Aminoactinomycin D (7-AAD) is a fluorescent DNA dye that binds poly(dG-dC) regions with an excitation maxima at 543 nm when bound to DNA (1). 7-AAD can be used as dead cell discriminating dye due to its exclusion from live cells with intact membranes (2).

Background References:

- (1) Schmid, I. et al. (1992) *Cytometry* 13, 204-8.
- (2) Gill, J.E. et al. (1975) *J Histochem Cytochem* 23, 793-9.

Storage: Store at 4°C protected from light.



Flow cytometric analysis of Jurkat cells, untreated (left) or treated with Etoposide #2200 (25 μ M, overnight; right), using 7-AAD Cell Staining Solution.

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Applications: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.