

**7-AAD Viability Staining Solution**

**Catalog # / Size:** 2702015 / 200 tests  
2702020 / 500 tests

**Isotype:**

**Preparation:** CAUTION: 7-AAD is a potential carcinogen. It is recommended that the user wear protective clothing, gloves, and eye/face protection in order to avoid contact with skin and eyes.

**Formulation:** PBS, pH 7.2 with 0.09% (w/v) sodium azide.

**Concentration:** 50

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** For dead cell exclusion, resuspend cell pellet in 0.5 mL of Cell Staining Buffer and add 5 microL of 7-AAD per million cells and incubate for 5-10 minutes in the dark before analysis. The analysis of the cells should be done as soon as possible after the incubation with the dye.

**Application Notes:** 7-AAD Viability Staining Solution can be used as a viability probe for methods of nonviable cell exclusion.

- Application References:**
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  24. Jaworska J, *et al.* 2015. *J Immunol.* 194:325. [PubMed](#)

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**Description:** 7-AAD (7-amino-actinomycin D) has a high DNA binding constant and is efficiently excluded by intact cells. It is useful for DNA analysis and dead cell discrimination

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during flow cytometric analysis. When excited by 488 laser light, 7-AAD fluorescence is detected in the far red range of the spectrum (650 nm long-pass filter).

**Antigen  
References:**

1. Schmid I, *et al.* 1992. *Cytometry*. 13:204