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## eBioscience™ 7-AAD Viability Staining Solution

**Catalog Number:** 00-6993

**Also known as:** 7AAD, 7-amino-actinomycin D

**For Research Use Only. Not for use in diagnostic procedures.**

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### Product Information

**Contents:** eBioscience™ 7-AAD Viability Staining Solution

 **Catalog Number:** 00-6993

**Formulation:** PBS, 0.09% sodium azide

**Temperature Limitation:** Store at 2-8°C. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Caution, contains Azide**



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### Description

7-AAD (7-amino-actinomycin D) is a ready-to-use solution for the exclusion of nonviable cells in flow cytometric analysis. 7-AAD can be used in place of PI (propidium iodide). This solution can be used in combination with PE (phycoerythrin) and FITC (fluorescein isothiocyanate) conjugated antibodies in 2-color analysis. The advantage of 7-AAD over PI is that there is minimal spectral overlap between these emissions. Fluorescence is detected in the far red range of the spectrum (650 nm long-pass filter).

### Applications Reported

7-AAD can be used as a viability probe for methods of nonviable cell exclusion, based on light scatter and uptake of the reagent as detected in FL3. **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.

### Applications Tested

This lot of 7-AAD has been tested by flow cytometric analysis. Use at 5 µL (0.25 µg) per test (per million cells) and incubate for 5 minutes before analysis. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>6</sup> cells/test.

### References

MC O'Brien, et al. (1995) Cytometry 19:243

I Schmid et al. (1992) Cytometry 13:204

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