
7-AAD Viability Staining Solution

Catalog Number: 00-6993

Also Known As: 7AAD, 7-amino-actinomycin D


GPR: General Purpose Reagents. For Laboratory Use.

Product Information

Contents: 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**

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.

References

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

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

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