

7-Amino-Actinomycin (7-AAD)

REF



7AAD

400 test

RUO



1. PRODUCT DESCRIPTION

7-Amino-Actinomycin D (7-AAD) is ready-to-use nucleic acid dye solution. 7-AAD can be used in place of propidium iodide (PI) for the exclusion of nonviable cells in flow cytometry analysis. This product 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 the minimal spectral overlap between these emissions. Fluorescence is detected in the far red range of the spectrum (650 nm long-pass filter). The 7-AAD can be used in conjunction with phycoerythrin (PE)- and fluorescein isothiocyanate (FITC)-labelled reagents.

2. RECOMMENDED USAGE

This reagent is used as a viability dye for dead cell exclusion, based on light scatter and uptake of 7-AAD as detected in FL3. This product has been tested by flow cytometry analysis.

Presentation: liquid.

Storage instruction: Shipped at ambient conditions, upon arrival store at 4°C.

3. REAGENTS PROVIDED

2 ml of 7- aminoactinomycin solution that is sufficient for at least 400 assays. This reagent contains 2 ml in PBS and 0,09% NaN₃ (sodium azide) as preservative, pH 7,2.

4. RECOMMENDATION AND WARNINGS

This product contains sodium azide. In acid conditions, it is transformed into hydrazoic acid, a highly toxic compound. Azide compounds must be diluted in running water before being discarded. These conditions are recommended so as to avoid deposits in plumbing, where explosive conditions could develop.

Do not use after expiration date stamped on vial.

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 the skin and eyes.

For professional use only.

For optimal use, do NOT dilute.

5. EXAMPLE PROCEDURE FOR USING 7AAD

1. This solution has been designed to recognized nonviable cells in flow cytometry analysis. This reagent does not require dilution. Use at 5 µl (0,25 µg) per test (1x10⁶ cells) and incubate 5 minutes before analysis.

If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the product is suspected, contact our Technical Services at tech@immunostep.com.

6. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

7. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.

Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

8. RELATED PRODUCTS

ANXVF-200T

ANXVDY-200T

ANXVB-200T

ANXVCFB-200T

ANXVPE-200T

Apoptosis tools

9. EXPLANATION OF SYMBOLS



Catalog reference



Contains sufficient for <n> test



Regulatory Status



Research Use Only



Manufacturer

10. REFERENCES

Schmid I, Krall WJ, Uittenbogaart CH, Braun J, Giorgi JV. Dead cell discrimination with 7-amino-actinomycin D in combination with dual color immunofluorescence in single laser flow cytometry. *Cytometry*. 1992; 13(2):204-208. (Methodology: Flow cytometry)

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