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7- AAD

Exclusion non viable cells

Reference	Size
7AAD	400 test

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).

PRODUCT	EXCITE (NM)	EMIT (NM)
7-AAD	540	645

Storage buffer: 7-AAD solution, 2 ml in PBS and 0,09% NaN_3 (sodium azide), pH 7,2.

Storage conditions: Store in the dark at 2-8 °C. Do not use after expiration date stamped on vial. 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. tech@immunostep.com

Recommended usage: This product has been tested by flow cytometry analysis. Use at 5 µl (0,25 µg) per test (per million cells) and incubate 5 minutes before analysis.

Presentation: liquid

Storage Instruction: store 7-AAD between 2°C and 8°C. Do not use after expiration date stamped on vial.

Reagent provided: 400 test (5 µl/test) of 7-AAD in 2 ml of PBS with 0,09% NaN_3 (sodium azide), pH 7.2.

Recommendation and warnings: 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.

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.
For professional use only.
Before acquiring samples, adjust the discriminator (threshold) to minimize debris.

Staining cells protocol with 7-AAD Solution. Flow Cytometry

1. Harvest the cells corresponding to 2 x 10^5 to 1 x 10^6. Centrifuge the cells for 5 minutes at 300 xg, and remove the supernatant. Resuspend the pellet in the residual liquid.
2. Wash cells once in 2 ml PBS + 2% BSA. Centrifuge the cells for 5 minutes at 300 xg, and remove the supernatant. Resuspend the pellet in PBS 100 µl.
3. Add 5 µl of 7-Amino-Actinomycin D (7-AAD) to cell pellet and mix well. Incubate 5 minutes at room temperature before to analysis.
4. After incubation period, add 300 µl of PBS. Analyze by flow cytometry.

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.

MANUFACTURED BY

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