

Propidium Iodide (PI)

REF



PI

400 test

RUO



1. PRODUCT DESCRIPTION

Propidium Iodide (PI) is ready-to-use nucleic acid dye solution. Propidium Iodide (PI) is useful for the exclusion of non viable cells in flow cytometry analysis. This product can be used in combination with APC (Allophycocyanin), and FITC (Fluorescein isothiocyanate) conjugated reagents in 2-color analysis. PI is detected in the orange range of the spectrum using a 562-588 nm band pass filter.

2. RECOMMENDED USAGE

This reagent is used as a viability dye for dead cell exclusion, based on light scatter and uptake of PI as detected in FL2. 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 propidium Iodide 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.

Propidium Iodide 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 PI

- 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

Apoptosis tools

9. EXPLANATION OF SYMBOLS

REF

Catalog reference



Contains sufficient for <n> test



Regulatory Status

RUO

Research Use Only



Manufacturer

10. REFERENCES

Martin SJ, Reutelingsperger CP, McGahon AJ, et al. Early redistribution of plasma membrane phosphatidylerine is a general feature of apoptosis regardless of the initiating stimulus: inhibition by overexpression of Bcl-2 and Abl. *J Exp Med.* 1995; 182(5):1545-1556. (Methodology: Apoptosis, Flow cytometry)

11. MANUFACTURED BY:



IMMUNOSTEP S.L.

Address: Avda. Universidad de Coimbra, s/n
Cancer Research Center (C.I.C)
Campus de Unamuno
37007 Salamanca (Spain)

Telf./fax: (+34) 923 294 827

E-mail: info@immunostep.com

www.immunostep.com