

Propidium iodide (PI)

Ready-to-use

Ref.: PI100

Application: Flow cytometry, no others tested

Buffer: Aqueous buffered solution, steril filtrated

Volume: 500 μ l

Conc.: 20 μ g/ml

Preparation: ready to use; 5 μ l = 1 test

Storage: Upon arrival store at 2 - 8 °C in the dark.

If stored properly reagent will be stable for 12 months.



MabTag

GmbH

v3.2018

For research use only. Not for use in diagnostic procedures.

Typical AnnexinV/PI staining procedure as example

1. Dilute an appropriate amount of 10x Annexin-V binding buffer (e.g. MabTag's Ref. AnxBuff) with deionized or distilled water in 1:10 ratio (= 1x buffer)
2. Wash cells with culture medium or PBS
3. Resuspend cells (typical $10^4 - 10^6$ cells) in 90 μ l of diluted (1x) Annexin-V binding buffer.
4. Add 5 μ l of Annexin-V conjugate (e.g. MabTag's Ref. AnxF100) and 5 μ l of propidium iodide solution.
5. Incubate 20 minutes in the dark.
6. Add 400 μ l of Annexin-V binding buffer (1x).
7. Centrifuge at 400 x g for 5 minutes.
8. Resuspend cells in 1x Annexin-V binding buffer (typical $\pm 500\mu$ l) and analyze sample by flow cytometry

Precautions and limitations

For research use only. Not for use in diagnostic procedures.

The physical, chemical, and toxicological properties of propidium iodide (PI) may not yet have been fully investigated.

Therefore, MabTag recommends the use of gloves, lab coat, and eye protection when using it. MabTag assumes no liability for damage resulting from handling or contact with this chemical reagent.

Propidium iodide is light sensitive and should be kept in the dark during storage and staining procedure.

Reference:

Inhibition of colonic tumor growth by the selective SGK inhibitor EMD638683

Towhid ST, Liu GL, Ackermann TF, Beier N, Scholz W, Fuchß T, Toulany M, Rodemann HP, Lang F.

Cell Physiol Biochem. 2013;32(4):838-48