



ApoScreen[®] Propidium Iodide (PI)

Cat. No.	Format	Size
10044-01	Solution	100 tests

Overview

Propidium Iodide (PI) is a ready-to-use cell viability dye for the exclusion of nonviable cells in flow cytometry analysis. The solution can be used in conjunction with fluorescein (FITC), cyanine-5 (CY5), and allophycocyanin (APC) conjugated Annexin V to distinguish cells that are in the early versus late stages of apoptosis. Excitation/emission – 536/617 nm

Applications

FC – Quality tested¹⁻⁴

Working Dilutions

Flow Cytometry	Propidium iodide For flow cytometry, the suggested use of these reagents is in a final volume of 100 μ L	10 μ L/ 10^6 cells
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

Handling and Storage

- ApoScreen[®] Propidium Iodide (PI) is supplied as 100 tests in 1.0 mL of ApoScreen[®] Annexin V Binding Buffer. Store at 2-8°C.
- Protect from light. Reagent is stable for the period shown on the label if stored as directed.

Warning

Reagent contains sodium azide. Please refer to product specific SDS.

References

1. Feng X, Zhou Y, Proctor AM, Hopkins MM, Liu M, Koh DW. Silencing of Apoptosis-Inducing factor and poly(ADP-ribose) glycohydrolase reveals novel roles in breast cancer cell death after chemotherapy. *Mol Cancer*. 2012;11:48. (FC)
2. de Boer E, Warram JM, Hartsmans E, Bremer PJ, Bijl B, Crane LM, et al. A standardized light-emitting diode device for photoimmunotherapy. *J Nucl Med*. 2014;55:1893-8. (FC)
3. Batra SA, Shanthalingam S, Munske GR, Raghavan B, Kugadas A, Bavanthasivam J, et al. Acylation enhances, but is not required for, the cytotoxic activity of *Mannheimia haemolytica* leukotoxin in bighorn sheep. *Infect Immun*. 2015;83:3982-8. (FC)
4. Chen T, Syu J, Han T, Cheng H, Lu F, Wang C. Cell cycle-dependent localization of dynactin subunit p150^{glued} at centrosome. *J Cell Biochem*. 2015;116:2049-60. (FC)

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