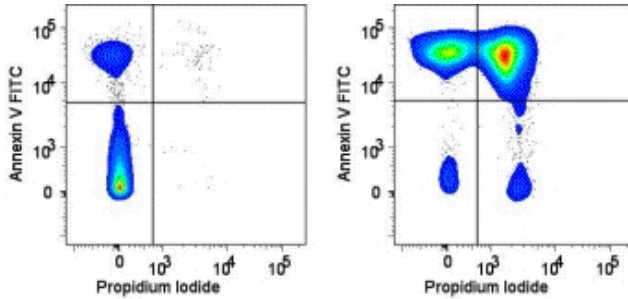


## Propidium Iodide Staining Solution

Catalog Number: 00-6990

Also Known As: cell viability, PI

GPR: General Purpose Reagents. For Laboratory Use.




Mouse thymocytes were prepared as a single cell suspension and incubated overnight at 37°C in medium (left) or medium with 1 uM dexamethasone (right). Cells were harvested and stained using the Annexin V Apoptosis Detection Kit FITC and Propidium Iodide Staining Solution (cat. 00-6990).

### Product Information

Contents: Propidium Iodide Staining Solution

**REF** Catalog Number: 00-6990

Formulation: PBS, 0.09% sodium azide

 **Temperature Limitation:** Store at 2-8°C. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

### Description

Propidium Iodide (PI) is a ready-to-use solution for the exclusion of nonviable cells in flow cytometric analysis. PI binds to double stranded DNA by intercalating between basepairs, but is excluded from cells with intact plasma membranes. PI can be used in FL3 for inviability exclusion, but should be analyzed in FL2 when used as a counterstain for FITC Annexin V.

### Applications Reported

Propidium Iodide can be used as a viability probe for methods of nonviable cell exclusion, based on light scatter and uptake of the reagent as detected in FL3 or FL2. *CAUTION: PI is a potential carcinogen. It is recommended that the user wear protective clothing, gloves, and eye/face protection in order to avoid contact with skin and eyes.*

### Applications Tested

Propidium Iodide Staining Solution has been pre-titrated and tested on Jurkat cells treated with 10uM camptothecin for 24 hours. This can be used at 5 µl per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### Related Products

00-6993 7-AAD Viability Staining Solution

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.eBioscience.com](http://www.eBioscience.com) • [info@eBioscience.com](mailto:info@eBioscience.com)