

TECHNICAL DATA SHEET

Propidium Iodide

Catalog Number: 13-6990

PRODUCT INFORMATION

Contents: Propidium Iodide

Excitation Laser Blue (488 nm), Green (532 nm), Yellow-Green (561 nm)

Emission (nm): 535 - 617

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, pH 7.2

Storage Conditions: 2-8°C protected from light

Use by: 12 months from date of receipt

DESCRIPTION

Propidium Iodide (PI) is a membrane-impermeant DNA binding dye that cannot penetrate viable cells. PI rapidly enters cells with compromised membranes and intercalates between base pairs allowing exclusion of non-viable cells from analysis of flow cytometry data. PI has a broad emission spectrum from 535-617 nm and can be detected in either FL2 or FL3 detectors. When used with Annexin V FITC, it is recommended to analyze PI in FL2.

PREPARATION & STORAGE

Propidium Iodide is provided in solution and should be stored at 2-8°C and protected from light. Do not freeze. CAUTION: Propidium Iodide is a potential carcinogen. Protect skin and eyes by wearing suitable protective clothing, gloves and eye/face protection.

APPLICATION NOTES

Propidium Iodide is useful as a viability probe for exclusion of nonviable cells based on light scatter and fluorescence properties. It is recommended to use 10 uL (0.5 ug) of Propidium Iodide solution per sample.

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.

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