

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Propidium Iodide (PI) Staining Kit

Cat No.: BD5012

Introduction

Propidium iodide (PI) has been widely used as a fluorescent stain for DNA in cells; it specifically binds double-stranded nucleic acids in apoptosis, necrosis and fixed cells. PI and DNA complex show light red fluorescent color with excitation light 493 nm and emission light 630 nm. It cannot throughout the normal living cells' membrane, but it enters the apoptosis, necrosis and fixed cells and binds double-stranded DNA.

Reagents

A: Propidium iodide (PI) Chromogen (1mg/ml)	100ul
B: Dilution Buffer	20ml

Application

This product is 1mg/ml chromogen. Solute it with suitable density for applies. Recommend density is 5ug/ml.

Storage & Shelf life

Store at 2-8°C for short time; -20°C for long time. Each component is stable for up to 12 Months.

Procedure

1. For double or triple fluorescence staining in immunofluorescence tests, the PI staining is the last step after all fluorescence antibodies incubation;
2. For culture cell, add 10 ul Chromogen to 2ml Dilution Buffer in tube and mix it (the end density is 5ug/ml); incubate about 5min in a dark incubator, at 30°C; and then wash it with PBS/TBS for 3min*3 times;
3. Observation with the fluorescence microscope.

NOTE

1. PI is a possible carcinogen, operation with gloves;
2. The PI is faded with light; all experiment process need keep away from light.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MADE IN CHINA

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