PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.

Hoechst 33342 / PI Double Staining Kit

Cat No.: BD5013

Introduction

Hoechst 33342 is a cell permeable fluorescent minor groove-binding probe for DNA, and through the living cell membrane. The Hoechst 33342 and DNA complex show light blue flourescent color. Propidium iodide (PI) has been widely used as a fluorescent stain for DNA in cells; it specificity binds double-stranded nucleic acids in apoptosis, necrosis and fixed cells, but can not enter the normal living cell. PI and DNA complex show light red flourescent color. Hoechst 33342 and PI have been used for double fluorescence staining.

Reagents

A:Hoechst 33342 / PI Chromogen (1mg/ml)	100ul
B:Dilution Buffer	20ml

Application

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

Storage & Shelf life

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

Procedure

1.For double or triple fluorescence staining in immunofluorescence tests, the Hoechst 33342/PI staining is the last step after all fluorescence antibodies incubation;

2.For culture cell, add 10 ul Hoechst 33342/PI Chromogen equally to 2ml Dilution Buffer in the same tube and mix them (the end density is 5ug/ml); incubate about 5min in a dark incubator, at 30℃; and then wash it with PBS/TBS for 3min*3 times;

3.Observation with the fluorescence microscope.

NOTE

1. Hoechst 33342/PI are possible carcinogens, operate with gloves;

2. The Hoechst 33342/PI are 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

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China.
Email: info@biogot.com
Tel: 0086-025-68037686 Fax:0086-025-68035151