

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Hoechst 33342 Staining Kit

Cat No.: BD5011

Introduction

Hoechst 33342 is a cell permeable fluorescent minor groove-binding probe for DNA, and specific stain for AT-rich regions of double-stranded DNA. This fluorescent dye has been used in sorting living cells, used in flow cytometry for the determination of DNA and used for visualization of chromatin distribution in living cells. Hoechst 33342 and DNA complex show light blue fluorescent color with excitation light 355 nm and emission light 465 nm.

Reagents

A:Hoechst 33342 Chromogen (5mg/ml)	100ul
B:Dilution Buffer	100ml

Application

This product is 5mg/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 Hoechst 33342 staining is the last step after all fluorescence antibodies incubation;
- 2.For culture cell, add 10 ul Chromogen to 10 ml Dilution Buffer in tube and mix (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.The Hoechst 33342 is faded with light, all experiment process need keep away from light;
- 2.The Hoechst 33342 is suspected carcinogens, operation with gloves.

RESEARCH USE

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

MADE IN CHINA

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