

Neutral Red Staining Solution (0.5%)

Cat #: A-CSH307

Size: 100mL

Storage: Room temperature, avoid light (12 months)

Product Composition

Component	Size	Store at
Neutral red stain solution (0.5%)	100ml	10~30°C, and were protected from light

Product Description

Neutral red is a weakly alkaline pH indicator that changes color between pH 6.4 and 8.0 (from red to yellow). In a neutral or slightly alkaline environment, living plant cells can absorb a large amount of neutral red and secrete it into vacuoles.

Neutral red staining solution (0.5%) is a commonly used staining solution for tissue or cell staining, which can stain cell nuclei red. It is often used for red counterstaining of cell nuclei in tissue or cell staining.

Usage

I. Sample preparation

(A) For paraffin sections:

1. Deparaffinize in xylene for 5-10 minutes.
2. Repeat deparaffinization with fresh xylene for 5-10 minutes.
3. Rinse in absolute ethanol for 5 minutes.
4. Rinse in 90% ethanol for 2 minutes.
5. Rinse in 70% ethanol for 2 minutes.

6. Rinse in distilled water for 2 minutes.

(B) For frozen sections:

1. Rinse in distilled water for 2 minutes.

(C) For cultured cells:

1. Fix with 4% paraformaldehyde for at least 10 minutes.

2. Rinse with distilled water for 2 minutes.

3. Repeat rinsing with fresh distilled water for 2 minutes.

II. Neutral red staining

(A) For the prepared samples, stain with neutral red staining solution (0.1%).

(B) Rinse thoroughly with distilled water or tap water.

(C) Observe and take photographs.

Staining Results

nucleus	red
---------	-----

Notes

1. If dehydration, clearing, and mounting are required, you will also need to prepare xylene, neutral mounting medium, or other mounting agents. If the samples are paraffin sections, you should prepare 70% and 90% ethanol, absolute ethanol, and xylene.
2. It is recommended to perform a preliminary experiment with 1-2 samples when using this reagent for the first time.
3. During neutral red staining, you can adjust the time based on the staining results and requirements.
4. For your safety and health, please wear a lab coat and disposable gloves while handling the reagent.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.