

Neutral Red Staining Solution (0.1%)

Cat #: A-CSH306

Size: 100mL

Storage: Room temperature, avoid light (12 months)

Product Composition

Component	Size	Store at
Neutral red stain solution (0.1%)	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 (0.1%) 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
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Notes

1. If dehydration, transparency, and slide sealing are required, please prepare xylene, neutral gum, or other slide sealing agents. If the sample is a paraffin section, please prepare 70% and 90% ethanol, absolute ethanol, and xylene.
2. It is recommended to conduct a preliminary experiment with 1-2 samples when using this reagent for the first time.
3. When using neutral red staining solution, the staining time can be adjusted according to the staining results and requirements.
4. For your safety and health, please wear a lab coat and disposable gloves when handling.

Disclaimer

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