

Methylene Blue Staining Solution (0.5%)

Cat #: A-CSH316

Size: 100mL

Storage: Room temperature, avoid light (12 months)

Product Composition

Component	Size	Store at
Methylene blue staining solution (0.5%)	100ml	10~30°C, and were protected from light

Product Description

Methylene Blue Staining Solution (0.5%) is mainly composed of methylene blue (methylthionine chloride, methyl blue) and deionized water. It is commonly used for staining bacteria, cells, and other specimens. Due to its susceptibility to oxidation, the staining results should not be stored for a prolonged period.

Usage

I. Sample Preparation

(A) For paraffin sections:

1. Dewax in xylene for 5-10 minutes.
2. Replace with fresh xylene and dewax for another 5-10 minutes.
3. Rinse in absolute ethanol for 5 minutes.
4. Rinse in distilled water for 2 minutes.

(B) For frozen sections:

1. Rinse in distilled water for 2 minutes.
2. For cultured cells:
3. Fix with 4% paraformaldehyde for at least 10 minutes.

4. Rinse in distilled water for 2 minutes.
5. Rinse again with fresh distilled water for 2 minutes.

II. Methylene Blue Staining

(A) Stain with methylene blue staining solution (0.5%) for 3-10 minutes (adjust the time according to staining results and requirements).

(B) Rinse thoroughly with distilled water or tap water for observation and photography

Staining Results

Cells or tissues	blue
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Notes

1. For initial use, conduct a preliminary experiment using 1-2 samples.
2. For your safety and health, please wear laboratory attire and disposable gloves while performing the procedure.

Disclaimer

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