

Methylene Blue Staining Solution (0.1%)

Cat #: A-CSH314

Size: 100mL

Storage: Room temperature, avoid light (12 months)

Product Composition

Component	Size	Store at
Methylene blue staining solution (0.1%)	100ml	10~30°C, and were protected from light

Product Description

Methylene Blue staining solution (0.1%) is mainly composed of methylene blue (also known as methylthionine chloride or 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 long time.

Usage

1. Sample preparation:

(a) For paraffin sections:

- 1). Deparaffinize in xylene for 5-10 minutes.
- 2). Repeat with fresh xylene 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). Repeat with fresh distilled water for another 2 minutes.

2. Methylene Blue staining:

- (a) Stain with methylene blue staining solution (0.5%) for 3-10 minutes (adjust the time based on staining results and requirements).
- (b) Rinse thoroughly with distilled or tap water for observation and photography

Staining Results

Cells or tissues	blue
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Notes

1. It is recommended to perform a preliminary experiment using 1-2 samples before the actual staining.
2. For your safety and health, please wear a lab coat and disposable gloves during the procedure.

Disclaimer

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