

Product Specifications



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METHYLENE BLUE

Product Number

IB74050

Size

25gm

CAS NO.

CAS# 7220-79-3

PHYSICAL SPECIFICATIONS

Formula Weight	373.9
Molecular Formula	$C_{16}H_{18}ClN_3S \cdot 3H_2O$
Em (661nm, water)	> 69,000
Arsenic	0.0008%
Copper	< 0.01%
Moisture	Max. 15.0%
Zinc	< 0.001%
Lead	< 0.001%
Dye Content (Dry Basis)	98 - 103%

STORAGE

Store at room temperature. Protect from moisture.

RECOMMENDED USE

IBI's Methylene Blue is a recommended stain for agarose gels when recovery of DNA is required. The benefit of using Methylene Blue (rather than Ethidium Bromide) is the ability to use a white light box for visualization and photography in place of a UV light box. Using a white light box eliminates mutations that may effect the integrity of the isolated DNA.

- 1.) Stain a 1% gel for 15 minutes with 0.02% Methylene Blue Solution in distilled water.
- 2.) Destain with distilled water for 15 minutes.

Used for staining RNA that is bonded to nylon and nitrocellulose membranes.

- 1.) Soak the dried filter in 5% acetic acid at room temperature for 15 minutes.
- 2.) Place the filter in 0.5M Sodium Acetate (pH 5.2) and 0.04% Methylene Blue Solution for 5 - 10 minutes at room temperature.

WARNING

Classification: Skin Irritant - 2
Eye Irritant - 2

Hazard Statements: H315-Causes skin irritation • H319-Cause serious eye irritation • H335-May cause respiratory irritation.

Precautionary Statements: P280-Wear protective gloves/ protective clothing/eye protection/face protection • P302+P352-IF ON SKIN: Wash with plenty of water • P304+P341-IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing • P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing



WARNING!

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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