

Malachite Green Indicator

Cat. No.: M1520393 | Pack size: 100 mL | Storage: Room temperature; protect from light

Overview

Malachite Green Indicator, also known as Basic Malachite Green, is a basic triphenylmethane dye used for acid-base indication and microbial staining. It is suitable for chemical experiments, microbiological testing, industrial analysis, and routine laboratory applications.

The product meets laboratory-grade purity standards and provides sensitive color change and good stability for routine experimental use.

Key Features

- Two-color pH indicator with high sensitivity
- Useful for acid-base indication and microbial staining applications
- Room-temperature storage with light protection
- Suitable for microscopy and microbiology research workflows

Contents & Storage

Cat. No.	Component	Size	Storage
M1520393	Malachite Green Indicator	100 mL	RT; protect from light

Protocol

Application and Color Change Range

pH Range	Color Change
pH 0.0-2.0	Yellow to blue-green
pH 11.0-13.5	Blue-green gradually fades to colorless
Strong acidic conditions (pH < 2)	Appears yellow
Strong alkaline conditions (pH > 11)	Blue-green gradually fades to colorless

Use according to the validated indicator or staining method for the specific sample matrix.

Storage & Handling

Store at room temperature for up to 12 months and protect from light. Keep container tightly closed after use.

Safety & Precautions

1. Wear a lab coat and disposable gloves during operation.
2. For research use only and strictly prohibited for other purposes.

Quality Control

QC Item	Method	Acceptable Range
Appearance	Visual inspection	No abnormal precipitation or discoloration beyond expected reagent color
Staining performance	Positive-control smear or section	Expected target/background staining pattern is observed
Storage condition	Label and storage check	Stored as specified; light-sensitive reagents protected from light

Troubleshooting

Issue	Possible Causes	Corrective Action
Weak color transition	Aged or light-exposed reagent	Use fresh reagent and store protected from light
Unexpected color	Sample pH outside transition range or matrix interference	Verify pH and repeat with appropriate controls
Precipitation contamination or	Improper storage or handling	Use clean tools and replace reagent if abnormal appearance is observed

Recommended Applications

Acid-base indication · microbial staining · chemical experiments · industrial analysis

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES

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Limitations & Disclaimer

For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.

This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.

Where any product component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.

Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the product for their specific application.

Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.