

Brilliant Green Staining Solution (2%)

Cat. No.: B1520390 | Pack size: 100 mL | Storage: Protected from light, room temperature

Overview

Brilliant Green Staining Solution (2%) is a BioReagent biological stain for microscopy. Brilliant Green, also known as Basic Brilliant Green, is a basic dye with CAS No. 633-03-4 and molecular weight 482.63.

The staining solution is mainly composed of Brilliant Green, phosphate and deionized water. It may be used according to different tissue staining requirements.

Key Features

- Ready-to-use 2% Brilliant Green staining solution
- Biological stain grade, suitable for microscopy
- General staining time of 1-3 minutes, adjustable by tissue type and desired intensity
- Store protected from light at room temperature

Product Information

Item	Description
Synonyms	Brilliant Green Stain
CAS No.	633-03-4
Specifications & Purity	BioReagent, Biological Stain, for microscopy, 2%
Stability & Storage	Store at room temperature long term (12 months). Store in the dark.
Storage Conditions	Protected from light, room temperature
Shipping	Normal
Grade	Biological Stain, BioReagent, for microscopy

Contents & Storage

Cat. No.	Product	Size	Storage
B1520390-100mL	Brilliant Green Staining Solution (2%)	100 mL	RT, protect from light

Materials Required But Not Supplied

Item	Recommended Specification	Purpose
Personal protective equipment	Lab coat, disposable gloves, eye protection	Safe staining operation
Glass slides / coverslips	Clean and dry	Specimen preparation
Pipettes or staining jars	Compatible with aqueous dyes	Applying stain
Distilled water	Fresh	Rinsing
Microscope	Bright-field microscope	Observation

Preparation Before Use

1. Bring the staining solution to room temperature before use.
2. If particles are observed, filter before use according to laboratory practice.
3. Prepare specimens according to the specific staining protocol.

Protocol

Procedure (For Reference Only)

1. Perform the operation according to the specific experimental requirements.
2. Apply or immerse specimens in Brilliant Green Staining Solution.
3. Staining time is generally 1-3 minutes and may vary with tissue type and desired staining intensity.
4. Rinse as required by the experimental protocol and proceed to observation or subsequent processing.

Storage & Handling

Store as indicated on the product label: Protected from light, room temperature.

Shelf life: Store at room temperature long term (12 months). Store in the dark.

Safety & Precautions

1. For your safety and health, wear a lab coat and disposable gloves during operation.
2. This product is for research use only and is strictly prohibited for other purposes.
3. Avoid contact with skin and eyes. Dispose of dye waste according to institutional procedures.

Quality Control

QC Item	Method	Acceptable Range
Appearance	Visual inspection	Conforms to the appearance described in this manual; no obvious contamination or abnormal precipitation unless specified.
Identity and labeling	Receipt inspection	Catalog number, lot number, size, storage condition and expiry date are legible.
Functional check	Run with representative sample or positive control	Expected staining, preservation, coagulation or assay performance is observed under the recommended procedure.

Troubleshooting

Issue	Possible Causes	Corrective Action
Weak staining	Staining time too short or reagent exhausted	Increase staining time within the recommended range or replace reagent.
Overstaining / high background	Staining time too long or inadequate washing	Shorten staining time and rinse thoroughly with water.

Issue	Possible Causes	Corrective Action
Uneven staining	Uneven sample thickness or insufficient reagent coverage	Prepare uniform smears/sections and ensure the specimen is fully covered.
Precipitate on slide	Unfiltered or aged staining solution	Filter staining solution when required and replace regularly.
Unexpected color	pH or contamination effects	Use clean slides and freshly prepared or uncontaminated reagents.

Recommended Applications

Microscopy staining · Tissue staining · Smear staining · Microbiological staining · Collagen-fiber staining workflows

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.

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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 kit 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 kit 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.