

Light Green SF Yellowish Stain Solution (1%)

Cat. No.: B1520392 | Pack size: 100 mL | Storage: Protected from light, room temperature

Overview

Light Green SF Yellowish Stain Solution (1%) is a BioReagent biological stain for microscopy. Light Green SF, also known as Light Green 2G, Light Green S or Acid Green, has a molecular weight of 792.84 and dissolves readily in water to form a green solution.

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

Key Features

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

Product Information

Item	Description
Synonyms	Brilliant Green SF Staining Solution Light Green SF Yellowish Solution
CAS No.	5141-20-8
Specifications & Purity	BioReagent, Biological Stain, for microscopy, 1%
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
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Cat. No.	Product	Size	Storage
B1520392-100mL	Light Green SF Yellowish Stain Solution (1%)	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. If particles are observed, filter before use according to laboratory practice.
2. Prepare specimens according to the specific staining protocol.

Protocol

Procedure (For Reference Only)

1. Operate in accordance with specific experimental requirements.
2. Apply or immerse specimens in Light Green SF Yellowish Stain Solution.
3. Staining time is generally 1-3 minutes and varies with different tissues.
4. Rinse and proceed with subsequent observation or processing according to the selected protocol.

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.
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 · Light Green SF counterstaining 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.

NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES Aladdin Scientific Corporation 14078 Meridian Parkway, Riverside, CA 92518, USA Phone: 1-833-552-7181 Sales: sales@aladdinsci.com Customer Service: custserv@aladdinsci.com	EU SALES, LOGISTICS & LOCALIZED SUPPORT Aladdin Biochem Deutschland GmbH Westring 2, 33142 Büren, Germany Phone: +02951 9383958 Support: support.eu@aladdinsci.com
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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.