

Neisser Staining Solution

Cat. No.: N1520377 | Pack size: 2x100 mL | Storage: Room temperature; protect from light

Overview

Neisser Staining Solution is a classical microbiological staining reagent for metachromatic granules and is used for bacterial staining.

Key Features

- Two-component staining system with Stain A and Stain B
- Designed for microscopic observation of metachromatic granules
- Rapid staining procedure
- Room-temperature storage with light protection

Contents & Storage

Cat. No.	Component	Size	Storage
N1520377A	Stain A	100 mL	RT; protect from light
N1520377B	Stain B	100 mL	RT; protect from light

Materials Required But Not Supplied

Item	Recommended Specification	Purpose
Fixed smear	Prepared by routine method	Staining specimen
Water	Clean rinse water	Washing
Microscope	Bright-field microscope	Observation

Protocol

Protocol (Reference Only)

1. After fixing the smear by routine method, add several drops of Neisser Stain A onto the smear, stain for 15-30 s, then wash with water.
2. Counterstain with Neisser Stain B for 10-30 s.
3. Wash rapidly with water, blot dry, and examine microscopically.

Staining Results

Bacterial cells appear bright yellow, and metachromatic granules appear deep violet-blue.

Storage & Handling

Store at room temperature for up to 12 months and protect from light.

Safety & Precautions

1. A preliminary experiment with 1-2 samples is recommended when using this reagent for the first time.
2. Wear a laboratory coat and disposable gloves during operation.
3. For research use only; 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 granule staining	Insufficient staining time or old reagent	Optimize staining time and use protected reagent
High background	Over-staining or inadequate washing	Reduce staining time and rinse rapidly
Inconsistent results	Smear fixation differences	Standardize smear preparation and fixation

Recommended Applications

Microbial staining · metachromatic granule observation · bacterial smear microscopy research

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

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