

NIGROSINE WS powder dye, C.I. 50420

IVD *In vitro* diagnostic medical device



Nigrosine water soluble, Nigrosine B

For use in microbiology

INSTRUCTIONS FOR USE

REF Product code: NGR-P-25 (25 g)

Introduction

Nigrosine WS is used in microbiology for negative staining of microorganisms, i.e. for visualization of bacteriology material capsules. Nigrosine WS stains the background dark blue/purple in order to enhance the visibility of non-stained bacteria, fungi, spirochetes and protists.

Product description

- **NIGROSINE WS** - powder dye for use in bacteriology

Other preparations and reagents used in preparing the dye solution:

- Fixating medium, such as BioGnost's 37% Formaldehyde p.a. or 37% Formaldehyde for histology

Preparing Nigrosine WS staining solutions

- Add 10 g of Nigrosine WS powder dye to 100 mL of distilled (demineralized) water. Heat the solution and let it boil for 10 min. Cool it down and add 0.5 mL of 37% Formaldehyde. Mix well and filter

Test sample

Smears of sputum, aspirate, lavage, bodily fluids such as exudate and pus, liquid and solid bacterial cultures.

Sample staining procedure

Apply and smear Nigrosine WS staining solution using loop onto a clear glass slide, together with bacteriological material. Cover with a clean glass slide. Microscope.

Result

Bacterial capsule - not stained
Background - dark blue/purple

Note

The mentioned formulation is only one of the ways of preparing the dye solution. Depending on personal requests and standard laboratory operating procedures, the dye solution can be prepared according to other protocols.

Preparing the sample and diagnostics

Use only appropriate instruments for collecting and preparing the samples. Process the samples with modern technology and mark them clearly. Follow the manufacturer's instructions for handling. In order to avoid mistakes, the staining procedure and diagnostics should only be conducted by authorized and qualified personnel. Use only microscope according to standards of the medical diagnostic laboratory. In order to avoid an erroneous result, a positive and negative check is advised before application.

Safety at work and environmental protection

Handle the product in accordance with safety at work and environmental protection guidelines. Used solutions and out of date solutions should be disposed of as special waste in accordance with national guidelines. Chemicals used in this procedure could pose danger to human health. Tested tissue specimens are potentially infectious. Necessary safety measures for protecting human health should be taken in accordance with good laboratory practice. Act in accordance with signs and warnings notices printed on the product's label, as well as in BioGnost's material safety data sheet.

Storing, stability and expiry date

Keep Nigrosine WS powder dye in a tightly sealed original packaging at temperature between 15°C and 25°C. Keep in dry places, do not freeze and avoid exposure to direct sunlight. Expiry date is stated on the product's label.

References

1. Conn, J. (1977): Biological Stains, 9th ed., Baltimore: Williams and Wilkins Co.

NGR-P-25, V1, 20 March 2015, IŠP/VR

	Refer to the supplied documentation		Storage temperature range		Number of tests in package	REF	Product code		European Conformity
	Refer to supplied instructions		Keep away from heat and sunlight		Valid until	LOT	Lot number		Manufacturer
IVD	For <i>in vitro</i> diagnostic use only		Keep in dry place		Caution - fragile				

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