



## PRODUCT SPECIFICATION SHEET

### Nigrosine Stain - 10%w/v (India Ink) (SI019)

#### Use

Nigrosine stain, 10% w/v is used as staining solution for negative staining.

#### Principle

Negative staining method permits visualization of the usually transparent and unstainable capsule of many organisms, most importantly *Cryptococcus neoformans*. Nigrosin consists of a suspension of fine particles of carbon. These form a dark background, against which capsules are clearly seen as a result of displacement of the carbon particles.

#### Formulation

Sr No.	Items/Ingredients	Gram/Litre
1.	Nigrosin	10.000
2.	Formalin	0.500
3.	Distilled water	100.000

#### Storage And Stability

1. Store the bottle in dry, cool and dark place.
2. The shelf life of reagents is as per the expiry date mentioned on the reagent bottle labels.

#### Procedure

1. Add loopful of Nigrosin (SI019) to a loopful of cerebrospinal fluid, or to a light aqueous or saline suspension of growth from an agar culture.
2. Mix well and cover with a thin cover glass. If only a few organisms are present, centrifugation of the cerebrospinal fluid may be necessary.
3. Examine promptly with a high power lens.
4. Light may have to be reduced by lowering the condenser.
5. Oil immersion may be used, if higher magnification is required.

#### PRECAUTIONS

1. For In-vitro Diagnostic use only
2. Overheating of organisms during fixing process may disintegrate organisms on the smear.
3. Decolourising process timing depends upon the thickness of smear and adequate allowance should be given depending upon the tube of the specimen.
4. Product to be used only by adequately trained and qualified laboratory personnel.

#### QUALITY CONTROL

**Appearance:** Blackish coloured solution.

#### Microscopic Examination

Negative staining is carried out and staining characteristics of microorganisms are observed under microscope by using oil immersion lens. Clear halos surrounding the bacterial cells observed.

#### Packaging

Product Name : Nigrosine Stain - 10%w/v (India Ink) (SI019)

Product Code : SI019

Available Pack sizes : 500ml/125ml



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### Further Information

For further information please contact your local MICROMASTER Representative.



MICROMASTER LABORATORIES PRIVATE LIMITED

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Unit 38/39, Kalpataru Industrial Estate,  
Off G.B. Road, Near 'R-Mall', Thane (W) - 400607. M.S. INDIA.  
Ph: +91-9320126789/9833630009/9819991103  
Email: [sales@micromasterlab.com](mailto:sales@micromasterlab.com)

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