

India Ink

Cat #: A-CSH381

Size: 100mL

Storage: Room temperature, avoid light (12 months)

Product Composition

Component	Size	Store at
India ink	100ml	10~30°C, and were protected from light

Product Description

In the observation of *Cryptococcus neoformans*, India ink capsule staining plays a significant role. Indian ink is a high-quality ink that can demonstrate the presence of the polysaccharide capsule surrounding the *Cryptococcus neoformans* cells. After staining, the capsule of *Cryptococcus neoformans* replaces the gelatinous carbon particles in the ink, resulting in a clear, colorless, transparent halo around the cells.

Usage

1. Centrifuge the sample and apply the sediment onto a clean slide. Add a drop of Indian ink to the area where the sample is applied.
2. Cover the slide with a coverslip, ensuring no air bubbles are formed. Gently press down with a finger to mix the sample with the ink and create a thin layer.
3. Use low-power magnification to search for bacteria with capsules, then switch to high-power or oil immersion microscopy for careful identification.

Staining Results

Broad and transparent capsule of <i>Cryptococcus neoformans</i>	The cell wall was evident
background	black

Notes

1. Once opened, Indian ink should be used within 6 months. After each use, seal the container tightly to prevent evaporation or deterioration.
2. Indian ink may develop sediment after prolonged storage. If rough particles are observed under the microscope, filter the ink before use or discard it.
3. The purity and concentration of the sample should be appropriate. It can be challenging to locate *Cryptococcus neoformans* under the microscope if the concentration is too low.
4. Ensure even distribution of the sample and Indian ink on the slide.
5. If the ink appears too concentrated, it can be diluted slightly before use.
6. For your safety and health, please wear lab attire and disposable gloves while performing the procedure.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.