

Usage procedure for:

Mucicarmine Stain Kit, Southgate

Avantik Kit Item #: RS4562-125 | RS4562-250 | RS4562-500



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Solutions Provided in Stain Kit:

Iron Hematoxylin, Solution A
Iron Hematoxylin, Solution B
Mucicarmine Stock Solution
Metanil Yellow, 0.25%

Working solution preparation (prepare just before use):

Working Iron Hematoxylin Solution

Iron Hematoxylin, Solution A: Clear	25mL
Iron Hematoxylin, Solution B:	25mL

Working Mucicarmine Solution

Mucicarmine Stock Solution:	10mL
Distilled Water:	40mL

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain in **Working Iron Hematoxylin Solution** for **7 minutes**.
3. Rinse slides in running tap water for 10 minutes.
4. Stain in **Working Mucicarmine Solution** for **1 hour**.
5. Quickly rinse slides in distilled water and make sure excess water has been removed before the next step.
6. Stain in **Metanil Yellow, 0.25%** for **30 seconds to 1 minute** or until desired intensity is reached.
7. Dehydrate in 2-3 changes of 95% alcohol followed by 2-3 changes of 100% alcohol.
8. Clear and mount with appropriate mounting medium.

Results:

Mucin:	Dark Rose to Red
Capsule of Cryptococcus:	Dark Rose to Red
Nuclei:	Black
Other Tissue Elements:	Yellow

Kit Components:

Avantik Item Numbers:

Iron Hematoxylin, Solution A: RS4418-250 (250 mL) | RS4418-500 (500 mL)

Iron Hematoxylin, Solution B: RS4419-250 (250 mL) | RS4419-500 (500 mL)

Mucicarmine Stock Solution: RS4428-250 (250 mL) | RS4428-500 (500 mL)

Metanil Yellow, 0.25%: RS4425-250 (250 mL) | RS4425-500 (500 mL)