

Usage procedure for:

## Mucicarmine Stain Kit, Modified Southgate

Avantik Kit Item #: RS4561-125 | RS4561-500



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### Solutions Provided in Stain Kit:

Modified Mayer's Hematoxylin

Mucicarmine Stock Solution

Tartrazine Stain

Working solution preparation (prepare just before use):

### Working Mucicarmine Solution

Mucicarmine Stock Solution: 10mL

Distilled Water: 40mL

### Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain sections in **Mayer's Hematoxylin** for **2-5 minutes**.
3. Rinse slides in running tap water for 2-3 minutes.
4. Stain in **Working Mucicarmine Solution** for **1 hour** (or longer if a more intense stain is desired.)

### Microwave Modification:

Place slides in Working Mucicarmine Solution and microwave at 70 degrees Celsius for 10 minutes.

5. Quickly rinse slides in distilled water and make sure excess water has been removed before the next step.
6. Stain in **Tartrazine Stain** for **1 minute** or until desired intensity is reached.
7. Dehydrate in 3 changes of 100% alcohol.
8. Clear and mount with appropriate mounting medium.

### Results:

Mucin:	Pink to Red
Capsule of Cryptococcus:	Pink to Red
Nuclei:	Blue to Black
Other Tissue Elements:	Yellow

### Kit Components and Related Control Slides:

Avantik Item Numbers:

**Modified Mayer's Hematoxylin:** RS4427-250 (250 mL) | RS4427-500 (500 mL)

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

**Tartrazine Stain:** RS4458-500 (500 mL)

**Mucicarmine Control Slides:** SL6213-A (Pack/12) | SL6213-B (Pack/25) | SL6213-D (Pack/100)