Usage procedure for:

**Mucicarmine Stain Kit, Southgate**

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

**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.
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)