Usage procedure for:

**Trichrome Stain Kit, Gomori’s One Step, Aniline Blue**

**Avantik Kit Item #:** RS4568-125 | RS4568-250 | RS4568-500

**Solutions Provided in Stain Kit:**
- Bouin’s Solution
- Iron Hematoxylin, Solution A
- Iron Hematoxylin, Solution B
- Gomori’s One Step Trichrome Stain, Aniline Blue
- Acetic Acid, 0.5%

*Working solution preparation (prepare just before use):*

**Working Iron Hematoxylin Solution**
- Iron Hematoxylin, Solution A: 25mL
- Iron Hematoxylin, Solution B: 25mL

**Conventional Procedure**

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Place sections in **Bouin’s Solution** overnight at room temperature or 1 hour at 56°C.
3. After slides have cooled, thoroughly rinse sections in running tap water until excess Bouin’s has been removed (5-10 minutes).
4. Rinse in distilled water.
5. Stain in **Working Iron Hematoxylin Solution** for 7-10 minutes.
6. Wash sections in running tap water for 5-10 minutes.
7. Stain in **Gomori’s One Step Trichrome Stain, Aniline Blue** for 15-20 minutes.
8. Differentiate section for up to 2 minutes in **Acetic Acid, 0.5%** (check microscopically for proper differentiation).
9. Quickly rinse section in distilled water.
10. Dehydrate slides in three changes of 100% Alcohol.
11. Clear and mount with appropriate mounting medium.

**Results:**

- **Nuclei:** Black
- **Cytoplasm and Muscle:** Red
- **Collagen and Mucin:** Blue

**Kit Components and Related Control Slides:**

- **Avantik Item Numbers:**
  - **Bouin’s Solution:** RS4396-250 (250 mL) | RS4396-500 (500 mL)
  - **Iron Hematoxylin, Solution A:** RS4418-250 (250 mL) | RS4418-500 (500 mL)
  - **Iron Hematoxylin, Solution B:** RS4419-250 (250 mL) | RS4419-500 (500 mL)
  - **Gomori’s One Step Trichrome Stain, Aniline Blue:** RS4431-250 (250 mL) | RS4431-500 (500 mL)
  - **Acetic Acid, 0.5%:** RS4382-250 (250 mL) | RS4382-500 (500 mL)
  - **Trichrome Control Slides:** SL6219-A (Pack/12) | SL6219-B (Pack/25) | SL6219-D (Pack/100)
  - **Trichrome Pos/Neg Control Slides:** SL6380-A (Pack/12) | SL6380-B (Pack/25) | SL6380-D (Pack/100)