

Usage procedure for:

Trichrome Stain Kit, Modified Masson, Green

Avantik Kit Item #: RS4571-125 | RS4571-250 | RS4571-500



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Solutions Provided in Stain Kit:

Bouin's Solution

Iron Hematoxylin, Solution A

Iron Hematoxylin, Solution B

Biebrich Scarlet-Acid Fuchsin Solution

Phosphomolybdic-Phosphotungstic Acid

Light Green Stain, Masson's

Acetic Acid, 1%

Working solution preparation (stable for one month):

Working Iron Hematoxylin Solution

Iron Hematoxylin, Solution A: 25mL

Iron Hematoxylin, Solution B: 25mL

Alternatively, equal parts Iron Hematoxylin Solution A and B may be added together to make final volumes other than 50mL.

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Rinse section thoroughly in distilled water.
3. Place formalin fixed sections in **Bouin's Solution** for 1 hour at 56°C.
4. Allow slides to cool and thoroughly rinse sections in running tap water until the yellow from the Bouin's Solution disappears.
5. Rinse slides in distilled water.
6. Stain in **Iron Hematoxylin Working Solution** for 10 minutes.
7. Rinse well using distilled water.
8. Stain in **Biebrich Scarlet-Acid Fuchsin Solution** for 2 minutes.
9. Rinse slides in distilled water.
10. Place sections in **Phosphomolybdic-Phosphotungstic Acid Solution** for 10-15 minutes.
11. Stain in **Light Green Stain, Masson's** for 3-5 minutes.
12. Rinse well using distilled water.
13. Place slides in **Acetic Acid, 1%** for 3-5 minutes.
14. Dehydrate slides in two changes each 95% and 100% Alcohol.
15. Clear and mount with appropriate mounting medium.

Results:

| | |
|--|-------|
| Nuclei: | Black |
| Collagen, Mucin: | Green |
| Cytoplasm, Keratin, Muscle/Intercellular Fibers: | Red |

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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)

Biebrich Scarlet-Acid Fuchsin Solution: RS4395-250 (250 mL) | RS4395-500 (500 mL)

Phosphomolybdic-Phosphotungstic Acid: RS4436-250 (250 mL) | RS4436-500 (500 mL)

Light Green Stain, Masson's: RS4422-250 (250 mL) | RS4422-500 (500 mL)

Acetic Acid, 1%: RS4383-250 (250 mL) | RS4383-500 (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)