

Usage procedure for:

Amyloid Stain Kit, Congo Red

Avantik Kit Item #: RS4549-125 | RS4549-250 | RS4549-500

Solutions Provided in Stain Kit:

Congo Red Stain, Alcoholic
Amyloid Differentiating Solution
Modified Mayer's Hematoxylin

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain sections in **Congo Red Stain, Alcoholic** for **15-20 minutes**.
3. Rinse well in running tap water.
4. Differentiate sections quickly in **Amyloid Differentiating Solution**, generally **5-10 dips**.
Take caution during this step as over-differentiation can occur.
5. Rinse well in running tap water.
6. Counterstain in **Modified Mayer's Hematoxylin** for **2-5 minutes**.
7. Rinse well in running tap water.
8. Dehydrate rapidly in 3 changes of 100% alcohol.
9. Clear and mount with appropriate mounting medium.

Results:

Amyloid:	Pink-Red
Nuclei:	Blue

Notes:

1. The use of thick tissues sections (8-10 microns) is crucial in obtaining accurate results.
2. When examining sections under polarized light, Amyloid deposits will exhibit Apple Green birefringence



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Kit Components and Related Control Slides:

Avantik Item Numbers:

Congo Red Stain, Alcoholic: RS4401-250 (250mL) | RS4401-500 (500mL)

Amyloid Differentiating Solution: RS4393-250 (250mL) | RS4393-500 (500mL)

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

Amyloid, Congo Red Pos/Neg Control Slides: SL6383-A (Pack/12) | SL6383-B (Pack/25) | SL6383-D (Pack/100)

Amyloid, Congo Red Control Slides: SL6202-A (Pack/12) | SL6202-B (Pack/25) | SL6202-D (Pack/100)

Amyloid, Congo Red (Dark) Control Slides: SL6361-A (Pack/12) | SL6361-B (Pack/25) | SL6361-D (Pack/100)