

Usage procedure for:

## Iron Stain Kit (Prussian Blue)

Avantik Kit Item #: RS4560-125 | RS4560-250 | RS4560-500



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### Solutions Provided in Stain Kit:

Hydrochloric Acid, 3%  
Potassium Ferrocyanide, 3%  
Nuclear Fast Red

Working solution preparation (prepare fresh):

### Hydrochloric Acid-Potassium Ferrocyanide Working Solution

Hydrochloric Acid, 3%: 25mL  
Potassium Ferrocyanide, 3%: 25mL

Alternatively, equal parts Hydrochloric Acid, 3% and Potassium Ferrocyanide, 3% may be added together to make final volumes other than 50mL.

### Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Make sure to rinse slide thoroughly through several changes of distilled water.
3. Stain sections in Hydrochloric Acid-Potassium Ferrocyanide Working Solution for 20-30 minutes.
4. Thoroughly wash sections in several changes of distilled water.
5. Counterstain in Nuclear Fast Red for 3-5 minutes.
6. Rinse slides in distilled water.
7. Dehydrate slides in two changes each of 95% Alcohol and 100% Alcohol.
8. Clear and mount with appropriate mounting medium.

### Results:

Iron: Blue  
Nuclei: Red  
Background: Pink

### Kit Components and Related Control Slides:

Avantik Item Numbers:

**Hydrochloric Acid 3%:** RS4416-250 (250 mL) | RS4416-500 (500 mL)

**Potassium Ferrocyanide, 3%:** RS4438-250 (250 mL) | RS4438-500 (500 mL)

**Nuclear Fast Red:** RS2229-250 (250 mL) | RS4429-500 (500 mL)

**Iron, Prussian Blue Control Slides:** SL6212-A (Pack/12) | SL6212-B (Pack/25) | SL6212-D (Pack/100)