

# **IRONVIEW STAIN KIT**

**INTENDED USE:** Volu-Sol's IronView Stain Kit is a kit used for the demonstration of ferric (Fe<sup>3+</sup>) iron in tissues. This stain kit utilizes a Prussian Blue method, similar to Gomori's. Volu-Sol's IronView Stain kit produces superb results. Ferric Iron appears blue and nuclei red, these results are present on a pink background counterstained by Nuclear Fast Red.

### **TECHNICAL PROCEDURE**

WORKING SOLUTION (PREPARE JUST BEFORE USE):

## STANDARD STAINING PROTOCOL

- 1. Deparrafinize and hydrate sections through alcohol to deionized water.
  - a. Note: Air-dried bone marrow or blood films may be fixed in alcoholic formalin or absolute methanol for 10 minutes.
- Make sure to rinse slide thoroughly through several changes of deionized water.
- 3. Stain sections in Hydrochloric Acid-Potassium Ferrocyanide Solution for 20-30 minutes. Bone marrow and blood films 15-20 minutes.
- 4. Thoroughly wash sections in several changes of deionized water.
- 5. Counterstain in Nuclear Fast Red Solution for 3-5 minutes.
- 6. Rinse slides in deionized water.
- Dehydrate slides in two changes each of Dehydrant 95% and Dehydrant 100%.
- 8. Clear with clearing reagent and mount with appropriate mounting medium.

## **RESULTS:**

Nuclei – Red Iron – Blue Background – Pink **Note:** This procedure may not fit every situation. Modifications may be necessary.

### **STAINING DISCUSSION:**

**Note:** All staining reagents should be stored at room temperature. The IronView Stain Kit reagents are for "In Vitro" use only. Refer to the Safety Data Sheet for Health and Safety Information. All reagents are stable and should not form precipitants under ordinary storage parameters. Working Solutions should be discarded after use. These stains should not be diluted and are ready for use.

**ORDER INFORMATION:** Each component is available for individual ordering.

VNF-250 IronView Stain Kit -	Nuclear Fast Red Solution – 250 mL
	Hydrochloric Acid Solution, 3% – 250 mL
	Potassium Ferrocyanide, 3% – 250 mL
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VNF-500 IronView Stain Kit -	Nuclear Fast Red Solution – 500 mL
	Hydrochloric Acid Solution, 3% – 500 mL
	Potassium Ferrocyanide, 3% – 500 mL