REAGENT ASSEMBLY KIT
ITEM# k015

GOMORI'S METHOD FOR IRON

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of ferric iron in tissue.
PRINCIPLE:	Loosely bound ferric iron in tissue will readily bond with Potassium Ferrocyanide in an acid medium forming an insoluble blue pigment (Prussian blue).
CONTROL:	Normal liver *Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs007.*
SPECIMEN PREPARATION:	Formalin fixed, paraffin embedded sections cut at 6 micrometers
SOLUTIONS:	1. Hydrochloric Acid 20% Aqueous Item# s1832 2. Potassium Ferrocyanide 10% Item# s1873 3. Nuclear Fast Red Kernechtrot 0.1% Item# s248 *Solutions can be purchased separately from Poly Scientific.*
NOTES:	Must be prepared fresh each time. Hydrochloric Acid-Potassium Ferrocyanide Working Solution: Hydrochloric Acid 20%.....50 mL Potassium Ferrocyanide 10%.....50 mL
REFERENCE:	Gomori, G. "Gomori's Method for Iron". Amer J. Path. 12:655-663. 1936.

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Place in Hydrochloric Acid-Potassium Ferrocyanide Working Solution for 15 minutes.
4. Counterstain in Nuclear Fast Red Kernechtrot 0.1% for 2 minutes.
5. Rinse in distilled water.
6. Alcohol 95%, 2 changes.
7. Alcohol 100%, 2 changes.
8. Xylene, 2 changes.
9. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

Iron Pigments..... Bright Blue

Cytoplasm ..... Light Pink

Nuclei..... Red

Poly Scientific R&D Corp.

Revision: B-18

PolyRnD.com 70 Cleveland Ave. Bay Shore, NY 11706 Phone: 800.645.5825 Fax: 631.254.0618 Email: CustServ@PolyRnD.com