

**STEIN'S BILE PIGMENT STAIN METHOD**

<b>PURPOSE:</b>	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of bile.
<b>PRINCIPLE:</b>	The iodine solution oxidizes bile to biliverdin, a green pigment. Thiosulfate removes excess iodine.
<b>CONTROL:</b>	Liver known positive for bile <i>Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs009.</i>
<b>SPECIMEN PREPARATION:</b>	Formalin fixed, paraffin embedded sections cut at 5 micrometers
<b>SOLUTIONS:</b>	1. Stein's Iodine Reagent Item# s2504 2. Sodium Thiosulfate 5% Aqueous Item# s1895 3. Nuclear Fast Red Kernechtrot 0.1% Item# s248  <i>Solutions can be purchased separately from Poly Scientific.</i>
<b>NOTES:</b>	
<b>REFERENCE:</b>	Zugibe, F. <u>Diagnostic Histochemistry</u> . C.V. Mosby Co. Saint Louis, MO. 1970. pp. 250-251.

**STAINING PROCEDURE:**

1. Deparaffinize and hydrate to distilled water.
2. Place slides in Stein's Iodine Reagent for 6-12 hours.
3. Wash well in water.
4. Differentiate in Sodium Thiosulfate 5% Aqueous for 15-30 seconds.
5. Wash well in water.
6. Counterstain with Nuclear Fast Red Kernechtrot 0.1% for 3 minutes.
7. Wash in water.
8. Dehydrate in Acetone, clear in Xylene.
9. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

**RESULTS:**

Bile Pigments ..... Green  
Nuclei..... Red

*Poly Scientific R&D Corp.*

Revision: B-18

