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Hepatitis B Stain Kit

Catalog No.	BP2904 100 test
Introduction	The Hepatitis B Stain Kit demonstrates the Hepatitis B surface antigen (HBsAg). It is suitable for any well fixed paraffin embedded tissue cut at 6 microns.
Format	Kits consists of 5% Potassium Permanganate (30ml), 2% Oxalic Acid (100ml), Differentiating Solution (100ml), 3% Sulfuric Acid (30ml), and Orcein Stain (100ml)
Use	For Hepatitis B surface antigen (HBsAg) staining.
Storage	Store at room temperature.
Expiry	Do not use beyond expiration date indicated on the product label.

Oxidizing Reagent:

Distilled water	50ml
5% Potassium Permanganate	5ml
3% Sulfuric Acid	3ml

Combine reagents in the listed order and mix thoroughly.

Protocol

1. Deparaffinize slide with Xylene or Xylene Substitute and hydrate through alcohols to Tap water.
2. Place slide in freshly prepared Oxidizing Reagent for 10 minutes.
3. Rinse slide in running Tap water for a few seconds.
4. Place slide in 2% Oxalic Acid for 10 minutes; section should be colorless after this step.
5. Rinse slide in running Tap water for 1 minute.
6. Place slide in Orcein Stain for 2 hours.
7. Rinse slide in 70% Reagent Alcohol.
8. Place slide in Differentiating Solution for a few seconds.
9. Rinse slide in 70% Reagent Alcohol, then check section using microscope for correct differentiation. Repeat Step 8, if necessary.
10. Dehydrate slide through 3 changes of Absolute Alcohol.
11. Clear slide through 3 changes of Xylene or Xylene Substitute.
12. Coverslip using a permanent mounting media.

Results:

Hepatitis B surface antigen (HBsAg) appear as fine, irregularly-shaped, dark brown aggregates in the Cytoplasm of Hepatocytes and occasionally in Kupffer cells.

Use of the Hepatitis B Stain Kit does not guarantee the successful outcome of any histological staining analysis.
Optimal dilution and reaction conditions to be determined by investigator usage.