

Orcein Shikata is the reagent of choice to demonstrate Australia Antigen in the liver of Hepatitis B affected cases. The surface antigen stains well with this orcein reagent , as do elastic fibres also.

Specification:

Contains organic dyes , solvent system containing solubility improvers and stabilisers. Ready to use.

Additional reagents required :

Acidified Potassium permanganate (Potassium permanganate 1.5gm, Deionised water 100ml, dissolve, add concentrated Sulphuric acid 1.5ml)

Oxalic acid (1.5% w/v in deionised water)

Acid alcohol (1% Hydrochloric acid in 70% ethanol (balance water).

Method – Rapid Section Staining.

- 1 – De-wax and bring sections to water (Xylene-alcohol-water)
- 2 – Oxidise in permanganate
- 3 – Bleach until tissue is clear in 1.5% Oxalic acid (aq).
- 4 – Wash well in tap water.
- 5 – Stain in Orcein Shikata for 30 – 60 minutes.
- 6 - Differentiate in 1% acid alcohol (Check microscopically that differentiation is satisfactory).
- 7 - Dehydrate through alcohols and xylene and mount coverslip in DPX.
- 8 - Examine.

Results:

Hepatitis B surface antigen	Brown
Background	Light brown

Storage:

Store reagent at cool room temperature in darkened cupboard away .

Health & Safety:

Contains organic dyes , which maybe harmful and irritant by skin contact and ingestion. Do not consume . If ingested seek immediate medical attention on what treatment is appropriate. Wash with soap and water in contact with skin. If in contact with eyes bathe eyes with eye-bath for 5 minutes. Seek medical attention if soreness persists. Wear suitable eye, face and body protection when using. Use in a suitably ventilated area or under a ventilated hood.. This product is for “In-vitro diagnostic use only “. Standard precautions for handling laboratory reagents should be followed when using this product. R: 11-22-23-25-40 S: 7-16-24-25-26-28-45

Waste disposal :

Mop up immediately with cloth and rinse to drain

Unused reagent can be disposed of by diluting with water to the Public Sewer.

Packaging should be rinsed with water and recycled as polyethylene, paper & cardboard.

Unsatisfactory performance

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry of shelf life we will replace that reagent free of charge. GCC Diagnostics guarantees the quality of this product, the user should however determine the suitability of this product for their intended use.

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