

Use

Used in conjunction with alcoholic Neutral red to prepare Tworts stain to demonstrate Gram Negative organisms in tissue sections. The organisms take up the Neutral red stain and the background tissue takes up the Light green as a contrast. May also be used as a general tissue counterstain.

Specification:

Contains organic dyes , solvent system containing solubility improvers and stabilisers. Ready to use. Available in 250ml pack sizes. Shelf life 3 years.

Additional reagents required :

Alcoholic Neutral Red for preparation of Twort Stain.
2% acetic acid in Ethanol

Method – General guide.

Twort Stain Prep.

Mix 180ml of 0.2% alcoholic Neutral Red with 20ml of Light green alcoholic.

This is Tworts stain ready to use. Shelf life of prepared stain is 1 year.

Before use dilute 10ml to 40ml with 0.2M Sodium acetate buffer at pH 4.6-5.00. Prepare this fresh every day.

- 1- De-wax and bring tissue section to water.
- 2- Immerse in freshly prepared stain above for 5-10 minutes.
- 3- Wash for 5-10 seconds in deionised water.
- 4- Immerse slides in 2% acid alcohol (above) for about 15 seconds (agitate slides).
- 5- Dehydrate in 2 changes of 100% alcohol.
- 6- Clear in 2 changes of xylene and examine. If there is too much red in the sections repeat (4) above.
- 7- Mount in DPX and examine.

Results:

Gram negative bacteria, nuclei, mast cell granules, sites of High RNA	Red
Cytoplasm, collagen	Green

Purple colours are seen sometimes , ie the matrix of cartilage and bone.

Storage:

Store reagent at cool room temperature in darkened cupboard away .

Health & Safety:

Contains organic dyes (Light green) , 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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