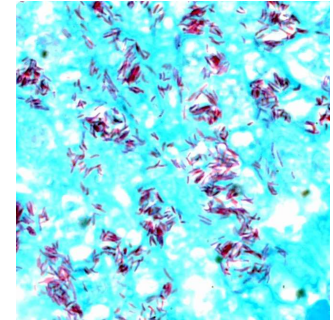


Acid Fast Bacteria (AFB) Stain Kit

Description

The Acid Fast Bacteria (AFB) Stain Kit is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli. This kit is a rapid 15-minute procedure. The lipid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.



Acid Fast Organisms Bright Red
Background Light Green

Uses/Limitations

Not to be taken internally.
 Histological applications.
 Do not use if reagents become cloudy. Do not use past expiration date.
 Use caution when handling reagents.
 Non-Sterile.
 Store 18-25C

Control Tissue

Any well fixed paraffin embedded or frozen tissue section cut at 3-5 μ .
 Cell Smear.

Kit Contents

Product	Volume	Storage
Carbol Fuchsin Solution	125 ml	18-25°C
Acid Alcohol Solution (0.5%)	500 ml	18-25°C
Light Green Solution	125 ml	18-25°C

Precautions

1. Avoid contact with skin and eyes.
2. Harmful if swallowed.
3. Follow all Federal, State, and local regulations regarding disposal. Use in chemical fume hood whenever possible.
4. Wear protective clothing.
5. Carbol Fuchsin Solution should be filtered when a thick sheen develops on top of solution. To avoid possible contamination, gloves should be worn when performing this procedure. Do not use tap water prior to application of Carbol Fuchsin Solution as it is reported that Acid Fast Bacteria can be found in some systems. Therefore use of distilled water is recommended whenever possible.

Procedure

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Incubate slide in Carbol Fuchsin Solution for 15 minutes.
3. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.

4. Decolorize in Acid Alcohol Solution (0.5%) until sections are a pale pink color.
5. Dip slide twice in distilled water to rinse.
6. Counterstain in Light Green Solution for 1-2 minutes.
7. Rinse in several changes of distilled water.
8. Dehydrate quickly through graded alcohols ending with 2 changes in absolute alcohol.
9. Clear, and mount in synthetic resin.

References

1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH.
2. Carson, F.L., 1996, Histotechnology; A Self-Instructional Text, 2nd Edition. ASCP Press, Chicago, IL.