



Instructions For Use

CFZ-IFU

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Carbol Fuchsin Solution

Description and Principle

A modified Ziehl-Neelson formulation used for staining acid fast bacteria. This stain 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

Expected Results

Acid Fast Organisms: Bright Red
Background: Light Green

Kit Contents (Cat# FAB-1)

Additional Kit Reagents Sold Separately

1. Carbol Fuchsin Solution	18-25°C
2. Acid Alcohol Solution (0.5%)	18-25°C
3. Light Green Solution	18-25°C.

Storage

Suggested Controls (not provided)

Tissue or cell smear containing acid-fast organisms

Uses/Limitations

For In-Vitro Diagnostic use only.

Do not use if reagents become cloudy or precipitate

Do not use past expiration date.

Use caution when handling reagents.

Non-Sterile

Intended for FFPE sections cut at 5-10µm.

This procedure has not been optimized for frozen sections.

Frozen sections may require protocol modification.

Storage

Store kit and all components at room temperature (18-25°C).

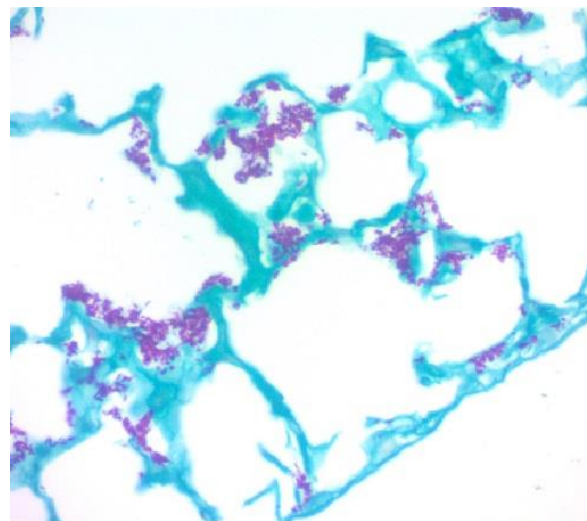
Safety and Precautions

Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

Note: 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.




Mycobacterium gordonae artificially introduced in Mouse Lung demonstrated by Acid Fast Bacteria Stain.

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.

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