CARBOL FUCHSIN

METHOD – STAIN
PRODUCT CODE – ST02

ANAMOL
THE ORIGINAL MAKERS

INSTRUCTIONS FOR USE

INTENDED USE: Staining Solution for Microbes.

SUMMARY AND EXPLANATION

Carbol Fuchsin is used as staining solution for acid fast staining.
Acid fast staining (Ziehl Neelsen`s method) is carried out where Carbol Fuchsin is used as one of the stains and staining characteristic of organisms is observed under microscope by using oil immersion lens.

PRINCIPLE

This differential staining technique is useful for identification of the tubercle bacillus, other Mycobacteria and Nocardia, which depends on the chemical composition of the bacterial cell wall. Because of the difficulty in staining these organisms with ordinary dyes, basic dyes in the presence of controlled amounts of acid are used. Generally, heat must be applied during the staining procedure, or wetting agents must be used, to aid dye penetration. Organisms exhibiting the property of acid-fastness, once stained, are not easily decolourized by alcohol.

REAGENTS

Carbol Fuschin	Basic Fuschin.
	Alcohol
	Phenol

PRECAUTIONS

This product is for in Vitro diagnostics use and should be used by properly trained individuals. Precautions should be taken against the dangers of microbiological hazards by properly sterilizing specimens, containers and media after use. Directions should be read and followed carefully.

STORAGE

Store product in its original container at room temperature until used. Keep container tightly closed during storage.

PRODUCT DETERIORATION

This product should not be used if:

1. The color has changed.
2. The expiration date has passed.
3. There are other signs of deterioration.

MATERIALS REQUIRED BUT NOT SUPPLIED

1. Glass slides.
2. Metal Loop.
3. Quality control slides.
4. Microscope with oil immersion lens.
5. Immersion oil.
6. Spirit Lamp

SPECIMEN COLLECTION AND PREPARTION

SPECIMAN COLLECTION : Blood, urine, CSF, pus, wounds, lesions, body tissues, sputum .

REAGENT PREPARATION: The reagent is Ready-To-Use.

PROCEDURE

1. Prepare a smear on a clear, dry glass slide.
2. Allow it to air dry and fix with gentle heat.
3. Flood the smear with Carbol Fuchsin stain. Heat to steaming for 5 minutes with a low flame; do not boil the stain and do not permit drying of the smear.
4. Allow it to stand for 5 minutes without further heating.
5. Wash in the running tap water.
6. Decolourize with Acid Fast Decolourizer for 2 minutes or until no more stain comes off in the washings. (If washing is not thorough, may get false positive results).
7. Wash with the tap water.
8. Counterstain for 30 seconds with Methylene Blue.
9. Wash with tap water, dry in air, then examine under an oil immersion objective.

RESULTS AND INTERPRETATION

Refer to appropriate references for appearance of specimen smears.

RESULTS

1. Acid fast organisms : Bright red
2. All other organisms : Blue

QUALITY CONTROL

All lot numbers Carbol Fuschin have been tested and found to be acceptable. The patient smear can serve as quality control to verify the efficacy of the staining reagents. In addition, a smear made from a patient specimen (previously identified as positive) with at least one parasite per oil immersion field may also be included to verify differential staining characteristics and compare with specimen stain results. If aberrant quality control results are noted, patient results should not be reported.

BIBLIOGRAPHY

1. Lamanna and Mallette, 1965, Basic Bacteriology, 3rd ed., Williams and Wilkins Co.,Baltimore.

SYMBOLS:


Read Instruction for use

In Vitro Diagnostic Use Only


Manufactured by


Expiry Date


Storage Temperature

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ISO 13485 : 2003
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CE