

METHYLENE BLUE - AQUEOUS

METHOD – STAIN
PRODUCT CODE – ST19



INSTRUCTIONS FOR USE

INTENDED USE: Staining solution for capsule staining.

SUMMARY AND EXPLANATION

Methylene Blue (aqueous) is used for capsule staining and simple staining. Capsules are composed of mucoid polysaccharides of polypeptides. These are detected by capsule staining. The capsule stain is a differential stain used to detect cells capable of producing an extra cellular capsule. The capsule stain begins as a negative stain. Cells are spread in a film of the acidic stain and are not heat-fixed. Heat-fixing causes shrinkage of the cells, leaving an artifactual white halo around them that might be falsely interpreted as a capsule.

METHOD PRINCIPLE

Capsule staining is carried out where Methylene Blue (Aqueous) is used and staining characteristic of organism is observed under microscope by using oil immersion lens.

REAGENTS PROVIDED

Blue stain Methylene blue.

PRECAUTIONS

This product is for laboratory 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.

REAGENT PREPARATION AND STORAGE

The reagent is Ready-To-Use and does not require any preparation prior to use. Store product in its original container at room temperature until used. Keep container tightly closed during storage.

INDICATORS OF REAGENT DETERIORATION

This product should not be used if:

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

Anamol cannot guarantee the stability of reagents, which have been:

1. Transferred from their original containers
2. Improperly store
3. Contaminated during use.

MATERIALS REQUIRED BUT NOT SUPPLIED

1. Glass slides.
2. Metal Loop.
3. Throat cotton swab or other quality control slides.
4. Microscope with oil immersion lens.
5. Immersion oil.
6. Spirit Lamp

SPECIMEN COLLECTION

Throat swab and swab from mouth can be used. Collect specimen as per standard procedure for throat swab. For Mouth Swab, take a clean cotton swab and gently scrape inside your mouth.

PROCEDURE

1. Smear the cotton swab on the centre of the clean and dry slide for 2-3 seconds.

2. Add 4-5 drops of Methylene Blue (Aqueous).
3. Keep it for 2-3 minutes.
4. Wash slide with distilled water.
5. Allow the smear to air dry.
6. Examine under oil immersion microscope.

NOTE

Reagents for laboratory use only. Do not pipette by mouth. Do not mix the reagent of different lot numbers.

RESULTS AND INTERPRETATION

Refer to appropriate references for appearance of specimen smears.

1. Background: Blueish.
2. Organisms: Colourless (hollow bodies)

QUALITY CONTROL

All lot numbers Methylene Blue (aqueous) 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. Biological Stain 9th Edition The Williams & Wikins Co. BaltimoreMD1977.

Symbol	Explanation	Symbol	Explanation
	Manufactured By		In Vitro Diagnostic Use
	Lot Number		Read Instructions Before Use
	Catalogue Number		Storage Temperature
	Manufacturing Date		Number of Tests / Volume
	Expiry Date		Do Not Reuse
	Protect from Sunlight		Keep Dry

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ISO 9001: 2015
ISO 13485 : 2016
GMP
CE