

**BA123 M'FADYEAN STAIN (POLYCHROME METHYLENE BLUE)**

**Formula**

**Reagents:**

Methylene blue	0.30 g
*Ethanol,95%	30.00 ml
*Potassium hydroxide	0.01 g
Distilled water	100.00 ml

\*Corrosive/flammable/harmful.

**Directions:**

1. Prepare a smear on clean, dry glass slide.
2. Smears should be fixed with ethanol or methanol (95-100%), not by heat
3. Flood slide with M'fadyean stain for 5 minutes.
4. Wash with water.
5. Dry and observe under oil immersion lens.

**Quality Control:**

Appearance: Deep violet coloured clear solution

Microscopy: Capsule staining is carried out using M'Fadyean stain and staining characteristic is observed under microscope using oil immersion lens.

**Results:**

Bacillus anthracis ATCC 14578: Pink capsule seen surrounding the deep bluish bacilli.

Bacillus cereus ATCC 10876: Deep bluish bacilli seen.

Bacilli appear Navy Blue showing a narrow area (capsule) around and between bacilli that is reddish purple.

Storage: Below 30°C.

Packing:100 ml

**Warnig & precaution:**

In Vitro diagnostic Use only. For Laboratory use. Read the label before opening the container. Wear protective gloves/protective clothing/ eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Use: For Bacillus anthracis capsule staining

**Disposal:**

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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