

BA035

May-Grunwalds Stain

Formula

Reagent:

Eosin Y	1.00 gm
Methylene blue	1.00 gm
Methanol	100.00 ml

Directions:

- 1) Prepare blood film on a grease free slide and air dry.
- 2) Treat the dried blood film with methanol for 3-5 minutes.
- 3) Stain slides with May- Grunwald stain solution for 3 minutes. (Note: Staining time may vary depending on concentration of stain, determine optimal staining time with a trial slide before proceeding.)
- 4) Add equal amount of distilled water, tilt to mix and stain 1 minute.
- 5) Pour off fluid and without washing add about 10 drops of freshly buffer diluted Giemsa (BA011) stain for 5- 10 minutes. Time required varies with the age of film, age of stain and the kind of parasite). Sorensens buffer may be used for dilution (1:10)
- 6) Rinse with a quick ample jet of distilled water
- 7) Air dry the smear and examine under oil.

Quality Control:

Appearance: Violet coloured clear solution

Microscopy:

Microscopic Examination Blood staining is carried out using May-Grunwald's stain. Staining characteristics are observed under microscope by using oil immersion lens.

Nucleus or part of nucleus of protozoan: Red or carmine
Cytoplasm of protozoan: Blue
Endulating membrane: Purple
Chromatin of leukocytes: Purple
Basophil cytoplasm of agranulocytes: Blue
Eosinophil granule: Pink to red
Neutrophil granules: Purple
Red corpuscles: Pink or bluish

Storage: Below 30°C.

Packing: 100 ml

Warning & Precautions :

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: It is used as a staining solution for blood

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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