

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.

Precautions :

1. For Laboratory Use.
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

USE: It is used as a staining solution for blood

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

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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