Product Specification

cdhfinechemical.com

FIELD'S STAIN SOLUTION B

PRODUCT CODE	834440

Intended Use

Field's Stain B is used as staining solution for blood films for Spirochaetes, Protozoa and other purposes.

Composition**

Ingredients	
Eosin Y	2.60 gm
Disodium hydrogen phosphate	10.0 gm
Potassium dihydrogen phosphate	12.50 gm
Distilled water	974.90 ml

**Formula adjusted, standardized to suit performance parameters

Principle And Interpretation

Field Stains contain methylene blue and eosin. These basic and acidic dyes induce multiple colours when applied to cells. The fixative, methanol does not allow any further change in slide. The basic component of white cells (cytoplasm) is stained by acidic dye and they are described as eosinophilic or acidophilic. The acidic component (nucleus with nuclei acid) takes blue to purple shades of the basic dye and are called basophilic. The neutral component of the cells are stained by both the dyes. This staining method is used for screening thick films of malarial parasites.

PARAMETER	LIMIT
Description	Orange coloured solution.
Suitability Test	Passes test.

Directions

1. Dry the blood film and immerse in methanol for 2-3 minutes.
2. Blow off with Fields Stain A for 2-3 seconds.
3. Wash it with distilled water, and again blow with Fields Stain B for 2-3 seconds and wash with distilled water.
4. Dry it and observe under microscope.

Results

Nuclei: blue
Neutrophilic granules: lilac
Eosinophilic granules: orange
Red cells: pink

Note(s) : Assay (if applicable) method mentioned

WARNING **Hazard statements :** Harmful to aquatic life with long lasting effects **Precautionary statements** **Prevention :----** **Response: ----.**	IMDG Code : UN No. : IATA :

Disposal: Dispose of contents and container in accordance with relevant legislation

Hazard Pictogram(s) :----

Replace date 31-May-2024