



# Product Specification

cdhfinechemical.com

## FIELD'S STAIN SOLUTION A

**PRODUCT CODE** 834430

### Intended Use

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

### Composition\*\*

#### Ingredients

Methylene blue	1.45 gm
Disodium hydrogen phosphate	9.09 gm
Azur B	0.9190 gm
Potassium dihydrogen orthophosphate	11.36 gm
Distilled water	977.20 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 nucleic 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	Dark blue solution.
Solubility	Miscible with water.
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:** May cause respiratory irritation. Causes skin irritation, Causes serious eye irritation

#### Precautionary statements

**Prevention:** Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

**Disposal:**-----

MDG Code :

UN No. :

IATA :



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Hazard Pictogram(s) :



GHS07

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