

**PRODUCT CODE**
**BS024**
**APPLICATION**

For the staining of Mycobacterium tuberculosis and other acid-fast bacteria.

**REAGENT COMPOSITION**
**SOLUTION 1 – CARBOL FUCHSIN**

Basic fuchsin	0.1%
Crystalline Phenol	0.5%
95% Alcohol	10.0%

**SOLUTION 2 – ACID ALCOHOL (DECOLOURIZER)**

95% Alcohol	97%
Concentrated hydrochloric acid	0.5%

**SOLUTION 3 – METHYLENE BLUE**

Methylene Blue Powder	0.5%
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**REAGENT PREPARATION**

It is recommended to filter all stain before use.

**REAGENT STORAGE AND STABILITY**

All solutions are stable up to the stated expiry date when stored at 15-25° C. Keep tightly closed to prevent air oxidation.















**PROCEDURE**

- 1- Flood heat fixed smears with Carbol Fuchsin (1) and heat until steam rises. Stain for 3-5 minutes but do not allow to dry.
- 2- Wash well with water.
- 3- Decolorize with Acid Alcohol (2) for 20-30 seconds. Use 2 times.
- 4- Wash well with water.
- 5- Counter stain with Methylene Blue (3) for 2 minutes.
- 6- Wash with running water and allow to dry.
- 7- Examine under the microscope, using the oil immersion lens.

**RESULTS**

 Acid Fast Organism - Red  
 Background - Blue

**SYMBOLS ON LABELS**

Symbols	Signify	Symbols	Signify
	Catalogue Number		Pack Size
	Expiry Date		Volume
	Storage Condition		Lot Number
	Instruction for Use		In Vitro Diagnostics
	Manufacturing Date		Manufacturer
	Number of Tests		For Single Use Only
	EC Representative		European conformity

**REFERENCE**

1. Gupta et al. CytoJournal 2004 1:6 doi:10.1186/1742- 6413-1-6

