

PRODUCT CODE

BS012

APPLICATION

A Romanowsky stain for blood and bone marrow cell morphology; designed specifically to differentiate Leukocytes. Also used for malarial parasites and trypanosomes.

REAGENT COMPOSITION

Leishman Powder 0.15%
Methanol 100 mL

REAGENT PREPARATION

It is recommended to filter all stain before use.

REAGENT STORAGE AND STABILITY

Leishmans stain solution is stable up to the stated expiry date when stored at 15-25° C. Keep tightly closed to prevent air oxidation.

PROCEDURE

1. Flood air dried smears with stain for 1 minute on slide rack.
2. Dilute stain gently 1:3 with buffered water (pH 6.6-6.8) or distilled water. Leave slide for 5-10 minutes.
3. Wash off with pH 6.6-6.8 buffered water or distilled water until the slide appear pink to the naked eye and allow to dry.
4. Examine under oil immersion lens of microscope.















RESULTS

Red cells	Pink
Leukocyte nuclei	Blue – Purple
Acidophil granules	Pink- Red
Basophil granules	Dark- Blue
Platelets	Violet Granules
Eosinophils	Orange- Red granules
Lymphocytes	Dark Purple nuclei with pale blue cytoplasm

NOTES

1. If the differentiation at step 3 is slow, dry the smears, rinse in xylene, dry again and re- immerse in distilled water or buffered water while agitating the solution. If this fails, try differentiating in water of lower pH but not below pH 6.5.
2. For malarial parasites, the water should be pH 7.2 to give maximum visibility to schuffner's dots.

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

BIBLIOGRAPHY

Leishman, W. B., Brit. Med J 1901 2 757-758

