

Hướng dẫn sử dụng tiếng Anh
Tài liệu được xác nhận bằng chữ ký số

Hà Nội, ngày 10 tháng 05 năm 2022

Người đại diện hợp pháp của cơ sở

GIÁM ĐỐC

Trần Thị Mai Phương

Leishman's Stain for Autostainer

Intended use:

BaSO Leishman's Stain is specifically developed and formulated for applying in BaSO's autostainer AS-316 series for staining of blood smears, bone marrow smear.

Principle:

Leishman's stain, as modified from Romanowsky stain technique, is intended for staining smears of blood and bone marrow. Staining of cells involves physical adsorption and chemical affinity which allows stain to penetrate and remain within cells. Because each cell and its components are different in chemical composition, their affinity to acid stain (Eosin) and alkaline stain (Methylene blue) of this kit varies significantly. After staining the smear with Leishman's Stain, different types of cells will appear in different colors. Consequently, one can identify cells based on their stain color, shape and other physical characteristics.

Methods:

- Install the Leishman's stain reagents in the BaSO's autostainer according to the reagent installation procedures described in the User's Manual for the autostainer.
- Preload the Leishman's reagents to fill the reagents in the corresponding channels according to the reagent loading procedures described in the User's Manual for the autostainer.
- Place the slide smear into the staining tray of autostainer, and then implement the Leishman's stain program according to the staining procedures described in the User's Manual for the autostainer.
- Take out the finished slide after completing the staining program. Blot up the finished slide with a bibulous paper to absorb the residual water on the slide.
- Examine the finished slide under a microscope.

Specifications:

Catalog No.	4Btlsx1000ml (LSX-040)	4Btlsx1000ml (LSX-09A)	4Btlsx1000ml (BUF-140)	Components
Leishman's Solution	1x1000ml	4x1000ml	-	Leishman's stain
Buffer Solution (pH 7.2)	3x1000ml	-	4x1000ml	Phosphate

* The following catalog No. are applicable to this manual: LSX-041, LSX-042

Precautions:

- The length of staining time depends on specimen type, smear thickness, cell type and room temperature etc.
- For bone marrow smear, as there are many fibrins that will clot quickly, the process of smearing must be fast. Do not use oxalate as anticoagulant; doing so would cause the nucleus to distort, chromatin to become compact, cytoplasm vacuole to form and oxalate crystal to appear.
- For hematocyte staining, if the weather is cold or humid, the smear should be incubated at 37°C in order to prevent cells from shrinking.
- Do not use the reagents beyond the stated expiration date. For kit storage, avoid exposure to extreme high or low temperature and sunlight.
- To improve the quality and performance of this kit, in the case of without any proper notice, Baso Biotech has the right to amend the contents of this user manual at any time.

Expected result:

RBC appears pink, WBC cytoplasmic granules show variety of cell-specific color; nucleus stained purple with clear chromatin structure.

Storage and expiry date:

- The original packaging unopened staining solution is valid for 24 months. Once opened, use it up within 6 months. Timely tighten the cap after each use to avoid volatile or deterioration.
- This reagent should be protected from light, and stored at a relative humidity less than 80%, non-corrosive gas and well-ventilated room temperature environment.

Index of symbols:

Symbol	Meaning
	In vitro diagnostic medical device
	Manufactured by
	Temperature limitation
	Use by
	Batch code
	Consult instruction for use

BASO

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