

**PRODUCT CODE**  
**BS011**

**APPLICATION**

General purpose nuclear stain

**REAGENT COMPOSITION**

Haematoxylin	0.1%
Aluminum ammonium alum	5%
Chloral hydrate	5%
Citric acid	0.1%
Sodium Iodate	0.02%

**REAGENT PREPARATION**

Reagent is ready to use. It is recommended to filter all stain before use.

**REAGENT STORAGE AND STABILITY**

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















**PROCEDURE**

- 1- Dewax and hydrate the slide.
- 2- Stain in Mayer's Haematoxylin solution for 10-30 minutes.
- 3- Wash thoroughly in running tap water.
- 4- Differentiate in acid/alcohol solution (1:100) until only cell nuclei retain the stain (2 minutes approx.)
- 5- For Papanicolaou stain - pass stain through an ascending alcohol series (see procedure for Papanicolaou.)
- 6- Wash in running tap water for 5-10 minutes.
- 7- Counter-stain in 1.0% eosin (distilled water) for 1-2 minutes.
- 8- Wash in running water until excess eosin is removed.
- 9- Dehydrate and mount in neutral balsam or DPX.

**RESULTS**

Cell nuclei	-	Blue-dark violet
Erythrocytes	-	Red
Muscle	-	Varying shades of pink
Connective tissues	-	Varying shades of pink
Cytoplasm	-	Varying shades of pink
Cyanophilic cytoplasm	-	Blue-Green

**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**

Gill, GW; Frost, JK; Miller, KA: Acta. Cytol. 18 (4) 300-311 1974

