

GIEMSA STAIN SET

Giemsa stain is used in cytogenetics and for the histopathological diagnosis of malaria and other parasites.

Solutions:		
Code number:		1040 ml: GIE61040
Colour	1. Stain solution (40 ml):	Dark blue
	2. Diluted stain solution (10 ml stain + 190 ml buffer solution):	Blue
	3. Buffer solution (1000 ml):	Water clear
Appearance of stain solution:		Dark solution
Appearance of buffer solution:		Water clear solution

Procedures

Staining rack:

- Methanol 3 min
- Stain solution 15 – 20 min
- Rinse with buffer solution
- Drying

Coplin jar:

- Blood smears Air dried
- Methanol 3 – 5 min
- Diluted stain solution 15 – 30 min
- Wash in buffer solution 2 x 1 min
- Drying

Staining automat:

- Methanol 3 min
- Diluted stain solution 15 –30 min
- Wash in buffer solution 1 min
- Tap water 2 min
- Drying 3 min

Evaluation:

- Nuclei: purple to violet
- Lymphocytes: plasma light blue
- Monocytes: plasma dove blue
- Granulocytes:
 - neutrophilic: granules delicate violet
 - eosinophilic: granules red to grey-blue
 - basophilic: granules strong violet
- Thrombocytes: violet
- Erythrocytes: weak red
- Blood parasites: nuclei bright red

FORMULA

1. STAIN SOLUTION	
Azur II stains	0,725 %
Solvent	Glycerol + Methanol
3. BUFFER SOLUTION	
Phosphates	1,650 %
Solvent	Distilled water

Storage conditions: Store the bottles protected from light at room temperature.

Warning!

Use the reagent only before the expiry date indicated on the label.

In vitro diagnostics - for professional use only!