P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

Wright-Giemsa Stain Kit

Description:

Wright-Giemsa Stain Kit is intended to be used for differential staining of blood smears, bone marrow and blood parasites.

Erythrocytes:	Pink-Tan
Leukocytes:	Blue-Purple
Neutrophils:	Light Purple or Lavender granules in cytoplasm.
Eosinophils:	Bright Red or Red-Orange granules in cytoplasm.
Basophils:	Deep Purple or Violet-Black granules in cytoplasm.
Platelets:	Violet-Purple granules in light blue cytoplasm.

Control Tissue:

Blood smear on clean slide.

Uses/Limitations:

Not to be taken internally.
For In-Vitro Diagnostic use only.
Hematology applications.
Do not use if reagent becomes cloudy.
Do not use past expiration date.
Use caution when handling reagents.
Non-Sterile.

Kit Contents:

Item #	Description	Volume	Storage
WGS030	Wright-Giemsa Solution	30 ml	18-25°C.
PBM060	Phosphate Buffer Solution (pH 6.8)	60 ml (x2)	18-25°C.

Precautions:

Avoid contact with skin and eyes.
Flammable.
Poison.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.

Storage: 18° C 25° C

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Preparation of Reagents Prior to Beginning:

1. Prepare **Working Wright-Giemsa Solution** by mixing 1ml of Wright-Giemsa Solution (cat# WGS) with 1ml of Phosphate Buffer Solution, pH 6.8 (cat# PBM) in mixing vial.

Procedure:

1. Smear a small drop of blood on a clean microscope slide and allow to air dry.
2. Fix by placing in absolute Methanol for 5 minutes.
3. Place slide in staining tray and apply Working Wright-Giemsa Solution for 5 minutes.
   Note: Agitate slide occasionally to insure proper staining.
4. Rinse slide in 2 changes of Deionized/Distilled water.
5. Continuously flood slide with Phosphate Buffer Solution (pH 6.8) drop by drop until no stain runs off.
6. Allow slide to remain covered with Phosphate Buffer Solution (pH 6.8) for an additional 1 minute.
7. Dip slide 1 time in Deionized/Distilled water and air dry at room temperature.
8. Dip slide several times in Xylene or Xylene Substitute.
9. Mount in synthetic resin.

References:

1. Sheehan, D., Hrapchak, B., Theory and Practice of Histotechnology: 2nd Edition, 1980, pages 155-156.