



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Instructions For Use

## WGK-IFU

205 South 600 West Logan, Utah 84323, U.S.A. – Tel. (800) 729-8350 – Tel. (435) 755-9848 – Fax (435) 755-0015 – www.scytek.com Rev. 2, 7/27/2022

## Wright-Giemsa Stain Kit

### Description and Principle

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

Wright-Giemsa Stain Kit uses a combination of basic and acid dyes to produce a Romanowsky-type of staining. Anionic elements are stained predominantly with the basic dyes, methylene blue and azure, whereas cationic elements are stained with the acid dye eosin.

### Expected Results

Erythrocytes:	Pink-Tan
Leukocytes:	Blue-Purple
Neutrophils:	*Light Purple or Lavender
Eosinophils:	*Bright Red or Red-Orange
Basophils:	*Deep Purple or Violet-Black
Platelets:	**Violet-Purple

\*granules in cytoplasm.

\*\*granules in light blue cytoplasm

### Kit Contents

1. Wright-Giemsa Solution
2. Phosphate Buffer Solution (pH 6.8)

### Storage

18-25°C  
18-25°C

### Suggested Controls (not provided)

Blood smear on clean slide.

### Uses/Limitations

For In-Vitro Diagnostic use only.  
Do not use past expiration date.  
Use caution when handling reagents.  
Hematology Applications  
Non-Sterile

### Storage

Store kit and all components at room temperature (18-25°C).

### Safety and Precautions

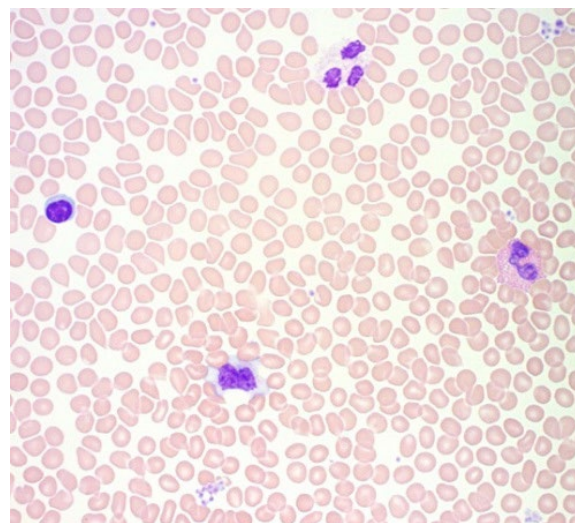
Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

### Preparation of Reagents Prior to Beginning:

1. Prepare **Working Wright-Giemsa Solution** by mixing equal parts of Wright-Giemsa Solution and Phosphate Buffer Solution, pH 6.8 .

### Procedure (Standard):

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 flood with Working Wright-Giemsa Solution for 5 minutes. Note: Agitate slide occasionally to insure proper staining.
4. Rinse slide in deionized/distilled water.
5. Flood slide with Phosphate Buffer Solution, pH 6.8 until no stain runs off.




Erythrocytes, Leukocytes, and Platelets visualized with Wright-Giemsa Stain Kit. Viewed at 400X magnification.

6. Allow slide to remain in Phosphate Buffer Solution, pH 6.8 for an additional 1 minute.
7. Dip slide in 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. Rui Sun, Lixiazi He, Hyeyoon Lee, Andrey Glinka, Carolin Andresen, Daniel Hübschmann, Irmela Jeremias, Karin Müller-Decker, Caroline Pabst, Christof Niehrs, RSP02 inhibits BMP signaling to promote self-renewal in acute myeloid leukemia, Cell Reports, Volume 36, Issue 7, 2021, 109559, ISSN 2211-1247, <https://doi.org/10.1016/j.celrep.2021.109559>.
2. Wang, J., Li, R., Peng, Z., Hu, B., Rao, X., & Li, J. (2020). HMGB1 participates in LPS-induced acute lung injury by activating the AIM2 inflammasome in macrophages and inducing polarization of M1 macrophages via TLR2, TLR4, and RAGE/NF-κB signaling pathways Corrigendum in /10.3892/ijmm.2020.4530. International Journal of Molecular Medicine, 45, 61-80. <https://doi.org/10.3892/ijmm.2019.4402>
3. Sheehan, D., Hrapchak, B., Theory and Practice of Histotechnology: 2nd Edition, 1980, pages 155-156.

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