



# Instructions For Use

## HWI-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. 5, 7/20/2022

## Hematoxylin, Weigert's Iron Kit

### Description and Principle

Weigert's Iron Hematoxylin is intended to be used with various special stain kits and procedures as an acid-resistant nuclear stain. It may also be used as a standalone stain for viewing nuclei. This product is supplied as a two component (equal volumes of parts A and B) system that is mixed prior to use and results in blue/black nuclei.

Rapid demonstration of nuclei is achieved by an unoxidized solution of hematoxylin accompanied by ferric chloride which acts as an oxidizer and mordant for the hematoxylin.

### Expected Results

Nuclei: Blue to Black

### Kit Contents

1. Hematoxylin, Weigert's Iron (Part A)
2. Hematoxylin, Weigert's Iron (Part B)

### Storage

18-25°C  
18-25°C

### Suggested Controls *(not provided)*

Any well-fixed tissue.

### Uses/Limitations

For In-Vitro Diagnostic use only.

Do not use if reagents become cloudy or precipitate

Do not use past expiration date.

Use caution when handling reagents.

Non-Sterile

Intended for FFPE sections cut at 5-10µm.

This procedure has not been optimized for frozen sections.

Frozen sections may require protocol modification.

### Storage

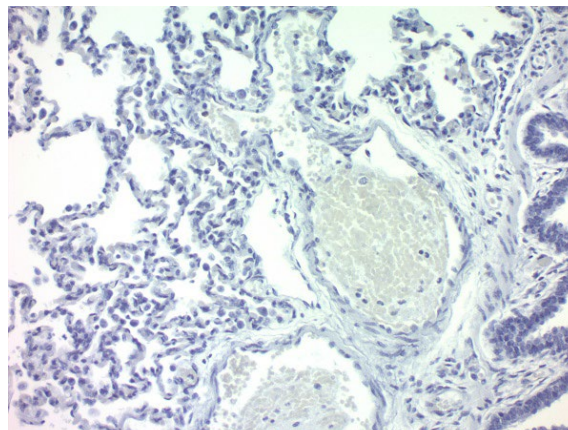
Store all components at room temperature (18-25°C).

### Safety and Precautions

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

### Procedure:


1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Immediately before use, mix equal volumes of Part A and Part B.
3. Stain slide in combined Hematoxylin, Weigert's Iron for 2-5 minutes.
4. Rinse for 2 minutes in several changes of tap water.
5. (Optional) Dip slide in a Bluing Reagent (ScyTek Item# BRT) for 30 seconds.
6. Rinse slide in distilled water.
7. Dehydrate in absolute alcohol.
8. Clear, and mount in synthetic resin.




Nuclei in Pig Lung stained with Hematoxylin, Weigert's Iron Kit

### References

1. Lin, Yi-Yuan, Jwo-Sheng Chen, Xu-Bo Wu, Woei-Cherng Shyu, Rungchai Chaunchaiyakul, Xian-Li Zhao, Chia-Hua Kuo, Yu-Jung Cheng, Ai-Lun Yang, and Shin-Da Lee. "Combined Effects of 17β-Estradiol and Exercise Training on Cardiac Apoptosis in Ovariectomized Rats." PLOS ONE 13, no. 12 (December 20, 2018): e0208633. <https://doi.org/10.1371/journal.pone.0208633>.
2. Silva, João P., Sandeep Dhall, Monika Garcia, Alex Chan, César Costa, Miguel Gama, and Manuela Martins-Green. "Improved Burn Wound Healing by the Antimicrobial Peptide LLKKK18 Released from Conjugates with Dextrin Embedded in a Carbopol Gel." Acta Biomaterialia 26 (October 15, 2015): 249–62. <https://doi.org/10.1016/j.actbio.2015.07.043>.
3. Chen, Mien-Cheng, Jen-Ping Chang, Tzu-Hao Chang, Sheng-Da Hsu, Hsien-Da Huang, Wan-Chun Ho, Feng-Sheng Wang, Chang-Chun Hsiao, and Wen-Hao Liu. "Unraveling Regulatory Mechanisms of Atrial Remodeling of Mitral Regurgitation Pigs by Gene Expression Profiling Analysis: Role of Type I Angiotensin II Receptor Antagonist." Translational Research 165, no. 5 (May 1, 2015): 599–620. <https://doi.org/10.1016/j.trsl.2014.11.005>.
4. Kim, H. M., Y. Y. Lim, M. Y. Kim, I. P. Son, D. H. Kim, S. R. Park, S. K. Seo, et al. "Inhibitory Effect of Tianeptine on Catagen Induction in Alopecia Areata-like Lesions Induced by Ultrasonic Wave Stress in Mice." Clinical and Experimental Dermatology 38, no. 7 (2013): 758–67. <https://doi.org/10.1111/ced.12047>.
5. Okura, Hanayuki, Hiroshi Komoda, Ayami Saga, Aya Kakuta-Yamamoto, Yoko Hamada, Yuichi Fumimoto, Chun Man Lee, Akihiro Ichinose, Yoshiki Sawa, and Akifumi Matsuyama. "Properties of Hepatocyte-like Cell Clusters from Human Adipose Tissue-Derived Mesenchymal Stem Cells." Tissue Engineering Part C: Methods 16, no. 4 (October 19, 2009): 761–70. <https://doi.org/10.1089/ten.tec.2009.0208>.

 ScyTek Laboratories, Inc.  
205 South 600 West  
Logan, UT 84321  
U.S.A.



 Emergo Europe  
Westervoortsedijk 60  
6827 AT Arnhem, The Netherlands