



# Wrights Stain Kit

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## Intended Use

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Wright's Stain Kit is designed to stain with excellence air dried peripheral blood smears and tissue imprints with the standard colors of a Romanowsky-type stain.

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## General Information

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Wright's Stain and its buffers B and C are formulated to produce with excellence the standard Romanowsky colors on air dried blood and tissue imprint preparations. Peripheral blood smears show excellent nuclear and cytoplasmic staining. Nuclear chromatin and heterochromatin show distinct staining with nuclear maturation. Nucleoli are usually pale blue and easily visible. Primitive precursor cells of granulocytic and erythrocytic series show precisely stained chromatin. Cytoplasmic granules, particularly azurephilic granules of the granulocytic series, are brilliantly stained. The cytoplasm of the erythrocytic cells shows clear progression from basophilia of early precursors to orangeophilia of maturing normoblasts. Cytoplasmic granules of basophils and mast cells are deep purple. This is the peripheral blood smear stain that will produce with ease and consistency high-quality slides for interpretation by your Pathologist or Hematologist.

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## Packaging

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| Catalog # | Volume                           |
|-----------|----------------------------------|
| 5710      | Wright's Stain Kit- 1 Gallon A-C |
| 5711      | Wright's Stain Kit- 1 Quart A-C  |
| 5712      | Wright's Stain Kit- 1 Pint A-C   |
| 5715      | Solution A- 1 pint               |
| 5716      | Solution B- 1 pint               |
| 5717      | Solution C- 1 pint               |
| 5720      | Solution A- 1 quart              |
| 5750      | Solution B- 1 quart              |
| 5752      | Solution C- 1 quart              |
| 5721      | Solution A- 1 gallon             |
| 5751      | Solution B- 1 gallon             |
| 5753      | Solution C- 1 gallon             |

Store all solutions at room temperature

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## Fixation Procedure

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Please refer to staining procedure.

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## Staining Procedure

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### Peripheral Blood Smears and Tissue Imprints

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1. Place slide on level staining rack.
2. Flood slide with **Solution A** for one minute.
3. Add approximately an equal amount (about 3 mL) of **Solution B** until meniscus extends to the edge of the slide: leave diluted stain in place for 3 minutes.\*
4. Add **Solution C** completely replacing the above mixture (stain plus **Solution B**): leave in place for 30 seconds.
5. Dump **Solution C** off slide and place semi vertically to air dry.

*\*Blood smears with high white blood cell counts may require a longer staining time; thin preparations require less staining time.*