

WRIGHT'S STAIN

IVD For *in-vitro* diagnostic use only



Store at Room Temperature

Intended For Use

One Step Wrights Stain is a hematology stain that is used for differential staining of blood smears, bone marrow and blood parasites.

Material Provided

- Wright Stain.

Procedure

1. Spread thin smears of the blood to be examined on slides and leave them for a few minutes to dry in the air.
2. Fix in methanol for 5-15 seconds.
3. Blot dry for about 5 seconds.
4. Stain the smears by immersing the slides for 10-20 seconds in Wright's stain.
5. Transfer the slides to a 1:2 mixture of Wright's stain and distilled water buffered to pH: 6.5-7.0 for 3-5 minutes.
6. Rinse the slides with distilled water until the thinner areas of the smears appear pink to the naked eye.
7. Soak the slides in distilled water for 2-3 minutes.
8. Blot and air-dry; mount if desired in a neutral synthetic medium such as DPX.

Results

- **Erythrocytes:** orange to pink.
- **Polymorphonuclears:** nuclei (dark purple) ,granules (reddish violet) ,cytoplasm (pale pink).
- **Eosinophils:**nuclei (blue), granules (red to orange) ,cytoplasm (blue).
- **Basophiles:** nuclei (purple to dark-blue), granules (purple to black).
- **Lymphocytes:** nuclei (dark purple), cytoplasm (sky blue), Platelets : granules (violet to purple).
- **Malarial parasites and Leishmania:** chromatin (red), cytoplasm (blue).
- **Trypanosomes:** chromatin (red).

Note: The staining time, either at step 4 or step 5 (above) may be altered to suit individual requirements.

Precautions

1. For *in vitro* diagnostic use only.
2. Sterilize all biohazard waste before disposal.
3. Avoid contact with skin.
4. Wear protective gloves during use and/or wash thoroughly after use.
5. Avoid breathing the fumes.
6. This product is flammable; keep away from heat, sparks, or flames.

Storage and Stability

Wrights Stain store at Room temperature. The staining solution will absorb water from the air, therefore, store the stain in a tightly stoppered container at all times.

References

1. Wright, J.H. 1902. Med. Res. ; 7:138.
2. Davidosh, I. and Henry, J.B. Saunders. 1974. Clinical Diagnosis by Laboratory Methods , 15th ed.
3. Wintrobe, M.M. Clinical Hematology , 7th ed. Lea & Febiger, Philadelphia, PA.



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	Product Reference No.		For in-vitro diagnostic use.
	Caution.		Store at
	Read product insert before use.		Number of tests in the pack.
	Lot (batch) number.		Manufacturer.
	Expiry date.		Manufacturer telephone number.
	Manufacturer fax number.		