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# TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

## Giemsa / May-Grunwald Bone Marrow Stain Kit Procedure

CLSG80156

Lot:

Kit Components Included:

1 pint	May- Grunwald Stock
1 pint	Giemsa Stock
1 pint	Phosphate Buffer 6.8pH

**Principle:** This stain kit demonstrates bone marrow cells, helicobacter, mast cells and certain microorganisms.

**Specimen:** Any well fixed paraffin embedded tissue cut at 6 microns.

**Solutions:**

**Working May-Grunwald Stain:**

May-Grunwald Stock .....25 ml

Phosphate Buffer 6.8Ph .....25 ml

Mix solutions thoroughly!

**Working Giemsa Stain:**

Giemsa Stock .....2.5 ml

Phosphate Buffer 6.8ph ..... 50 ml

Mix solutions thoroughly!

- Procedure:**
1. Place slide on staining rack over sink. Flood slide with Working May-Grunwald Stain and stain for 6 minutes. (*IMPORTANT: Agitate slide every few minutes to insure proper staining.*)
  2. Pour **Phosphate Buffer 6.8pH** over slide until no stain runs off.
  3. Flood slide with **Working Giemsa Stain** and stain for 13 minutes. (*IMPORTANT: Agitate slides every few minutes to assure proper staining.*)

Continued overleaf...

For more information or to place an order please contact...

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## Common Procedure

4. Pour **Phosphate Buffer 6.8pH** over slide until no stain runs off, then allow slide to stand in **Phosphate Buffer 6.8pH** for 3 minutes.

### **\*\*\*Procedure to Stain Mast Cells**

- 4a. Pour **Phosphate Buffer 6.8pH** over slide until no stain runs off. Differentiate section by dipping slide in 0.25% Acetic Acid Solution (*not included in kit*) until background is the desired intensity.
- 4b. Dip slide 20 times in **Phosphate Buffer 6.8pH**.
- 4c. Continue procedure at Step #5.
5. Air dry slide at room temperature.
6. Dip slide in Xylene or Xylene Substitute.
7. Coverslip using a permanent mounting media..

## **Results:**

Nuclei:	<b>BLUE TO VIOLET</b>
Rickettsias:	<b>INTENSE REDDISH-PURPLE</b>
Cytoplasm:	<b>LIGHT BLUE</b>
Collagen & Muscle:	<b>PALE PINK</b>
Erythrocytes:	<b>GRAY, YELLOW OR PINK</b>
Helicobacter:	<b>BLUE</b>
*** Mast Cells:	<b>DARK BLUE WITH RED GRANULES</b>

- Reference:** 1. A.F.I.P. Manual: pg 111.  
2. Strumia: Laboratory and Clinical Medicine; pg 930.

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