

medilines

# P A S COLOUR

FOR BLOOD AND BONE MARROW FILMS

## REAGENTS & PREPARATIONS

<b>PAS Solution – 1</b>	:	Ready to use
<b>PAS Solution – 2</b>	:	Ready to use
<b>PAS Solution – 3</b>	:	Ready to use

## SPECIMEN COLLECTION & PREPARATION

Freshly prepared whole, EDTA or heprinized blood or bone marrow films are used. Fix as soon as possible.

## STAINING PROCEDURE

1. Fix air dried films for 1 minute at room temperature in Formalin-Ethanol fixative solution
2. Rinse slides 1 minute in slowly running tap water.
3. Immerse slides in **PAS Solution – 1** for 5 minutes
4. Rinse slides for 1 minute in slowly running tap water.
5. Immerse slides in **PAS Solution – 2** for 15 minutes.
6. Wash slides in running tap water for 5 minutes.
7. Counter stain slides in **PAS Solution – 3** for 5 minutes.
8. Rinse slides in running tap water for 15-30 seconds, air dry and examine under the microscope using oil immersion lens. Slides may be mounted in toluene based mounting media.

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## P A S COLOUR

FOR TISSUE SECTIONS

### REAGENTS & PREPARATIONS

<b>PAS Solution – 1</b>	:	Ready to use
<b>PAS Solution – 2</b>	:	Ready to use
<b>PAS Solution – 3</b>	:	Ready to use

### STAINING PROCEDURE

1. Cut tissue sections at 5 microns
2. Deparaffinize, remove mercury if fixed in Zenker fluid and hydrate tissue sections to water.
3. Immerse slides in **PAS Solution – 1** for 5 minutes at room temperature.
4. Rinse slides in distilled water.
5. Immerse slides in **PAS Solution – 2** for 15 minutes at room temperature.
6. Wash slides in running tap water for 5-10 minutes until pink.
7. Counter stain slides in medilines **PAS Solution – 3** for 5 minutes
8. Rinse slide in running tap water.
9. Dehydrate, clear and mount section in xylene based mounting media.

### **NOTE:**

For polysaccharides, tissue fixed in 10% neutral buffered formalin, Zenker's or Bouin's may be used. It should be noted that some carbohydrates are water-soluble. For the demonstration of glycogen, Cornoy's fluid, Gendre's fluid or acid alcoholic formalin are recommended.