

GIEMSA STAIN

1. Prepare slides for staining

Paraffin- run through deparaffinization protocol

Cryo- run through distilled water

2. Methanol – 5 minutes

Submerge slides in 100% methanol for 5 minutes, then allow to air dry.

3. Giemsa – 20 minutes

Prepare a 10% solution of Giemsa in dH₂O

The OMRF ICF uses the following:

 Giemsa: (Sigma Accustain GS-500 (0.4% w/v)) in buffered methanol)

4. Acid Water – 5 dips

Acid water is prepared by adding 50uL of glacial acetic acid to 250mL of dH₂O

5. Rinse briefly with water then dehydrate

Dip slides 2-3 times in dH₂O, then 3-5 times in 95% EtOH, 100%EtOH, a 100%EtOH:Xylene mixture, 100% Xylene, and 100% Xylene.

6. Coverslip

Coverslip slides using PermOUNT, or a Xylene based mounting medium of your choice.