

WRIGHT GIEMSA STAIN (Blood Smears)

1. Fix in 100% Methanol. 5 minutes.
2. Stain with Wright Giemsa solution 6 minutes
3. Place in Buffer 9 minutes

WRIGHT-GIEMSA SOLUTION:

50cc Wright-Giemsa Stain + 1.1cc Stock Giemsa

1. Wright Giemsa Stain = per liter, 3.0 gm Wright's stain and .3gm giemsa stain and 30cc glycerine. Grind powder to a fine paste in mortar and add 1000cc acetone-free methanol. Filter before use.
2. Stock Giemsa: = per 200 ml solution, 1.52 gm Giemsa and 100cc glycerine (60°C. for 10-30 minutes), add 100cc pure methanol. Allow to stand overnight @ 60°C. Filter before use.

BUFFER:

300ml stock buffer and 6.6ml of stock giemsa(see above).

1. Stock Buffer = pre liter, 6.5gm KH_2PO_4 + 2.68gm Na_2HPO_4 or
pH 6.4
6.5gm KH_2PO_4 + 6.64gm $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$ or
5.73gm NaH_2PO_4 + 3.30gm K_2HPO_4