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## **Preparation of Giemsa Blood Stain**

### **Stock solution**

1. Dissolve 3.8g of Giemsa powder into 250ml of methanol
2. Heat the solution from step 1 to ~60°C.
3. Slowly add in 250ml of glycerin to the solution from step 2
4. Filter the solution from step 3
5. The solution needs to stand a period of time prior to use. Although times vary based on who you ask, a minimum of two months is usually recommended.

### **Working solution**

Add 10ml of stock solution to 80ml of distilled water and 10ml of methanol.

Giemsa stain is used on blood and bone marrow. Erythrocytes stain pink, platelets a very light pink, leukocyte nuclear chromatin stains magenta, monocyte cytoplasm stains pale blue and lymphocyte cytoplasm stains sky blue.