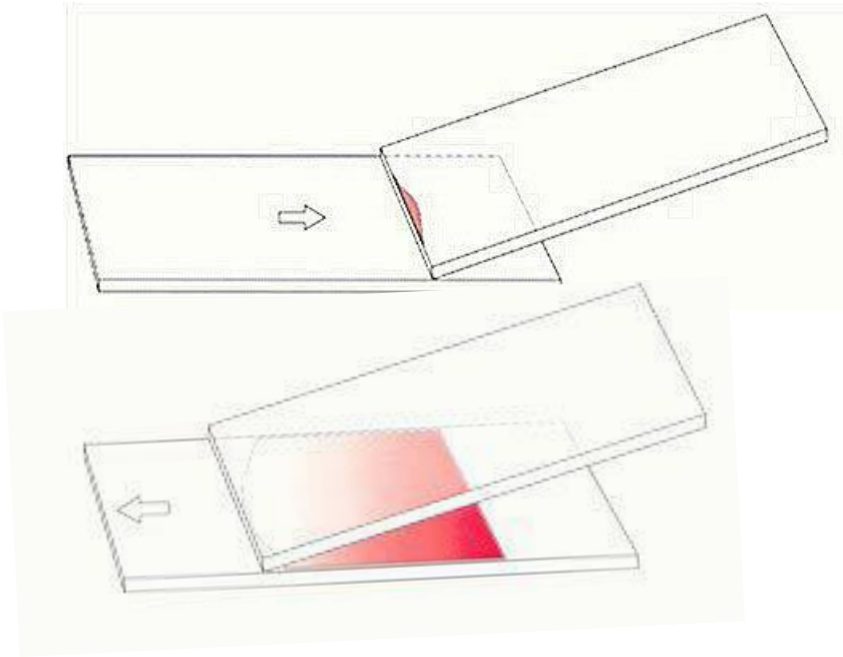


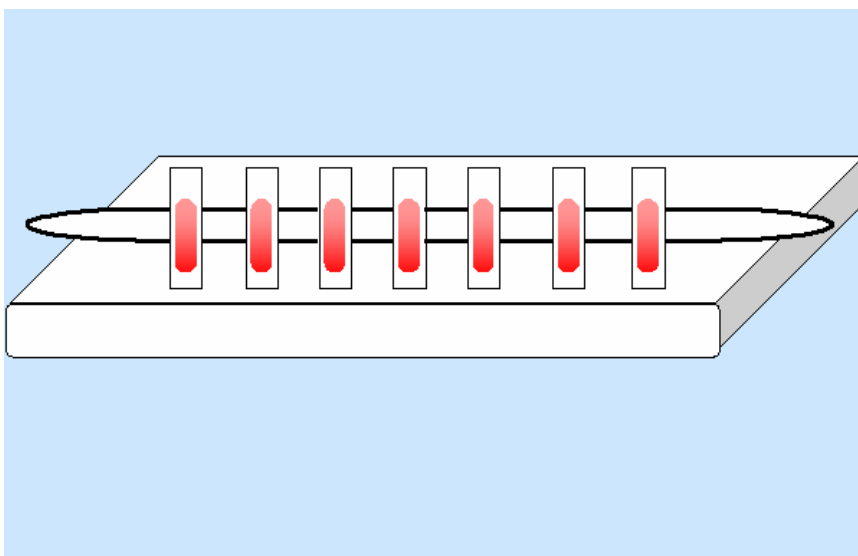
# Periferal blood smear and Pappenheim staining



A drop of periferal blood is placed on one end of a slide. Using another slide disperse the slide over the slide's length. The aim is to make a monolayer of blood cells.



- Label slides with graphite pencil (patient data) or a sticker
- Air dry for at least 2 hours (no more than 24 h)



Slides with dried blood smears prepared for staining

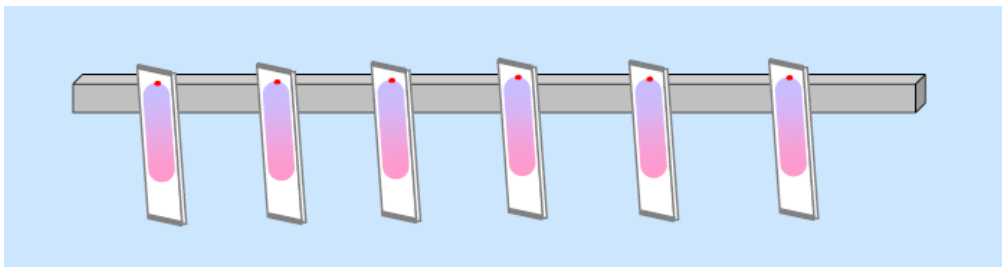
# PAPPENHEIM STAINING OF A BLOOD SMEARS

## Reagents:

- **May-Grünwald** staining solution
- Diluted and filtered **Giemse** staining solution (1 drop of dye in 1ml of distilled water, filter through filter paper)

## Procedure:

- Overlay a slide with approximately 2 ml of **May-Grünwald** staining solution using a dropper or a pipet. Leave it for **3 MINUTES**.
- using a dropper, replace a dye with 2 ml of distilled water and let it stay for **1 MINUTE**.
- Rinse slides with a distilled water and drain water away
- Overlay slides with aprox. 3 ml of freshly diluted and filtered **Giemse** staining solution and let it stay for **20-30 MINUTES**
- Rinse slides with generous amount of distilled water, drain water away, wipe back side of slides with cotton + ethanol and let it air-dry in tilted position



Air-drying of stained blood smears