Preparation and observation of blood smear specimen

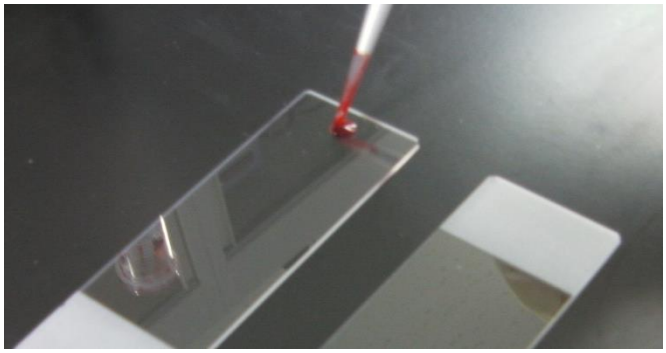
＜materials & experimental apparatus＞

・disposable gloves, goggle, mask, Lab. coat
・slide glasses (2)
・cover glass
・micro pipetter
・fresh peripheral blood
・Giemsa stain solution
・methanol

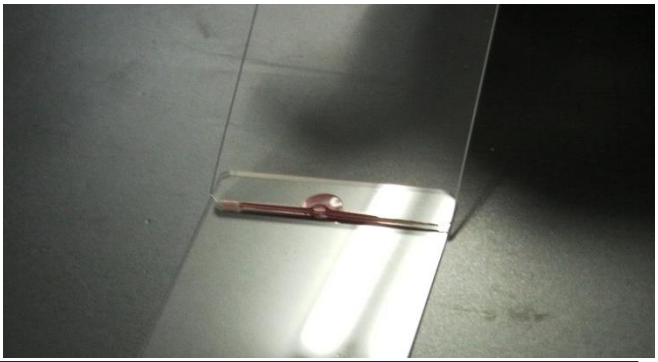
＜method＞

※wear a lab coat, disposable gloves, a goggle and a mask

① drop 3 micro litter of blood on the end of slid glass by using micro pipetter.

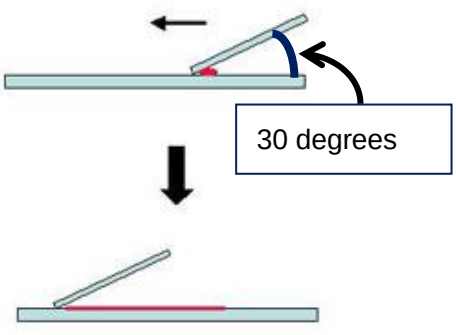


② Place another slid glass on the blood spot. Angle of both glasses are approximately 30 degrees. Then let the blood spot spread between two glasses.

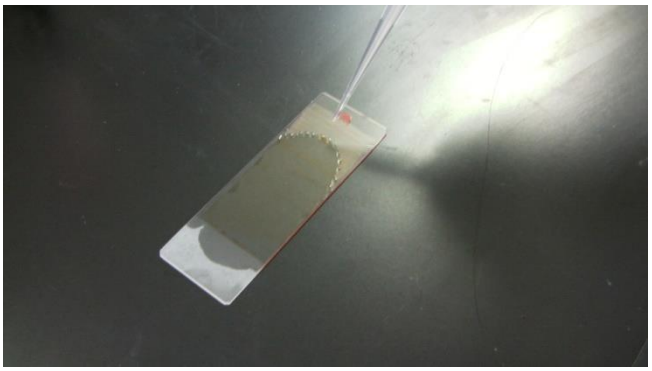


③ Keep 30 degrees of angle of slide glasses, slide the upper glass under controlling **speed, smooth sliding and keeping contact with both glasses.**

Immediately dry up the specimen by flattering the slide glass.



④ Fix blood specimen on the slide glass by applying 100 micro litters of methanol by using micro pipetter. And then dry the specimen.



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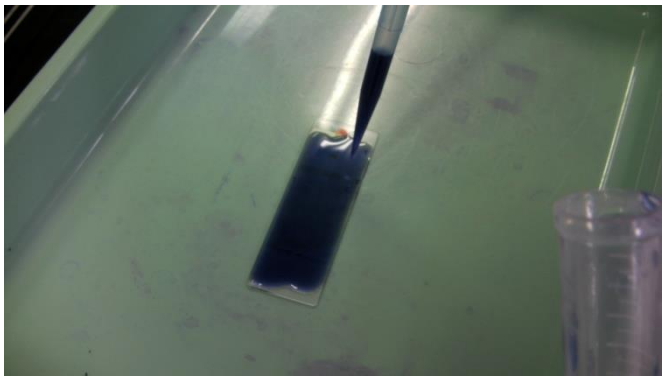
⑤ Applying 1.5 ml of Giemsa stain solution on to the slide glass.
Incubate 20 min at room temperature.



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⑥ Wash out excess stain solution using tap water. Applying tap water from back side of the slide glass.

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⑦ Flip of excess water and then cover the specimen using a cover glass.

⑧ Observe stained white blood cells, red blood cells and platelet by using a microscope.