

BI 358 Lab/Discussion Session 5

:00 **I. Attendance. Q?**

:05 **II. Quiz 2**

:30 **III. Class discussion on key points of articles**

:40 **V. White blood cell differential count + blood typing!**

To save \$3 in permissions fees per student per notebook (☹ !), a U of O library link to the following articles were sent to you by way of e-mail:

Beck G, Habicht GS. Immunity and the invertebrates. *Scientific American*, Nov 1996, Nov 275(5), pp 60-65.

Litman GW, Sharks and the origins of vertebrate immunity. *Scientific American*, Nov 1996, Nov 275(5), pp 66-70.

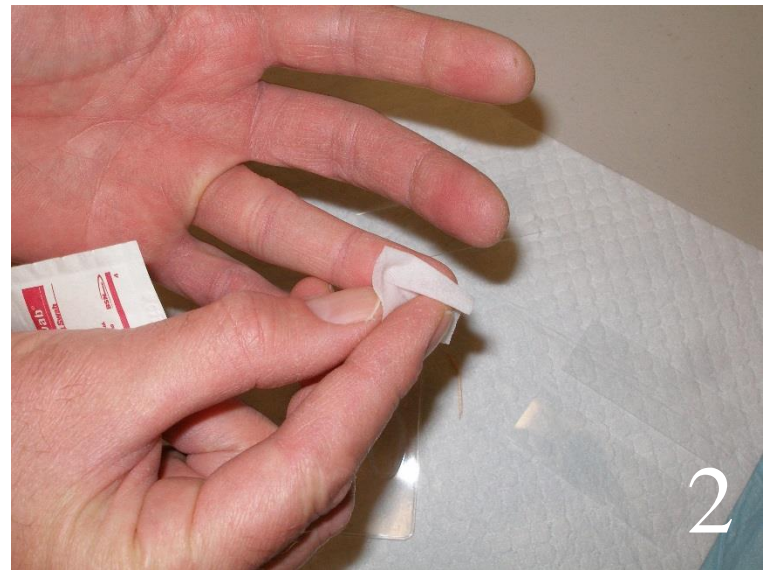
NB: If you receive outline feedback by this R pm, by next T please e-mail copy of paper draft to aleviche@uoregon.edu or conoro@uoregon.edu + e-mail & give copies to group members when you arrive next week. Please provide feedback by e-mail (as part of participation score!). Thanks sincerely! :)

Preparation



1

Wash + dry



2

Alcohol



3

Air dry + kim wipe?

Sample + Tests

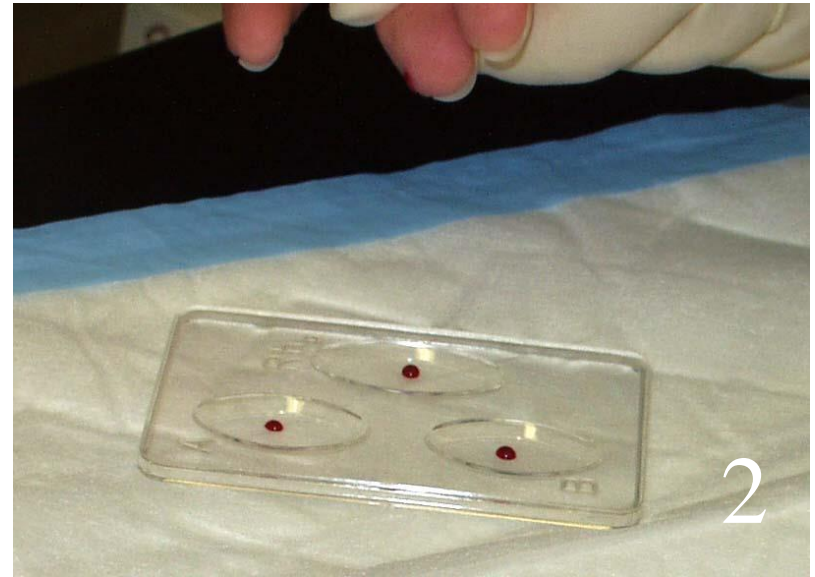
Obtain μ Sample



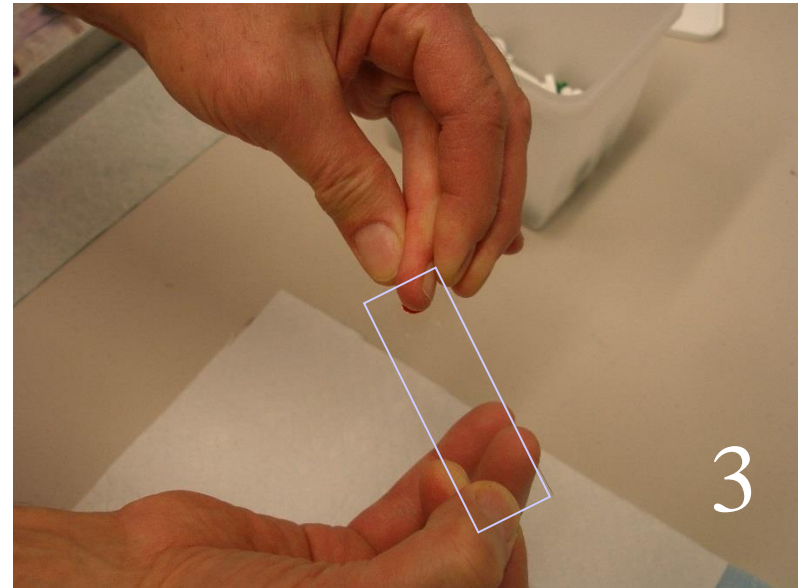
or...



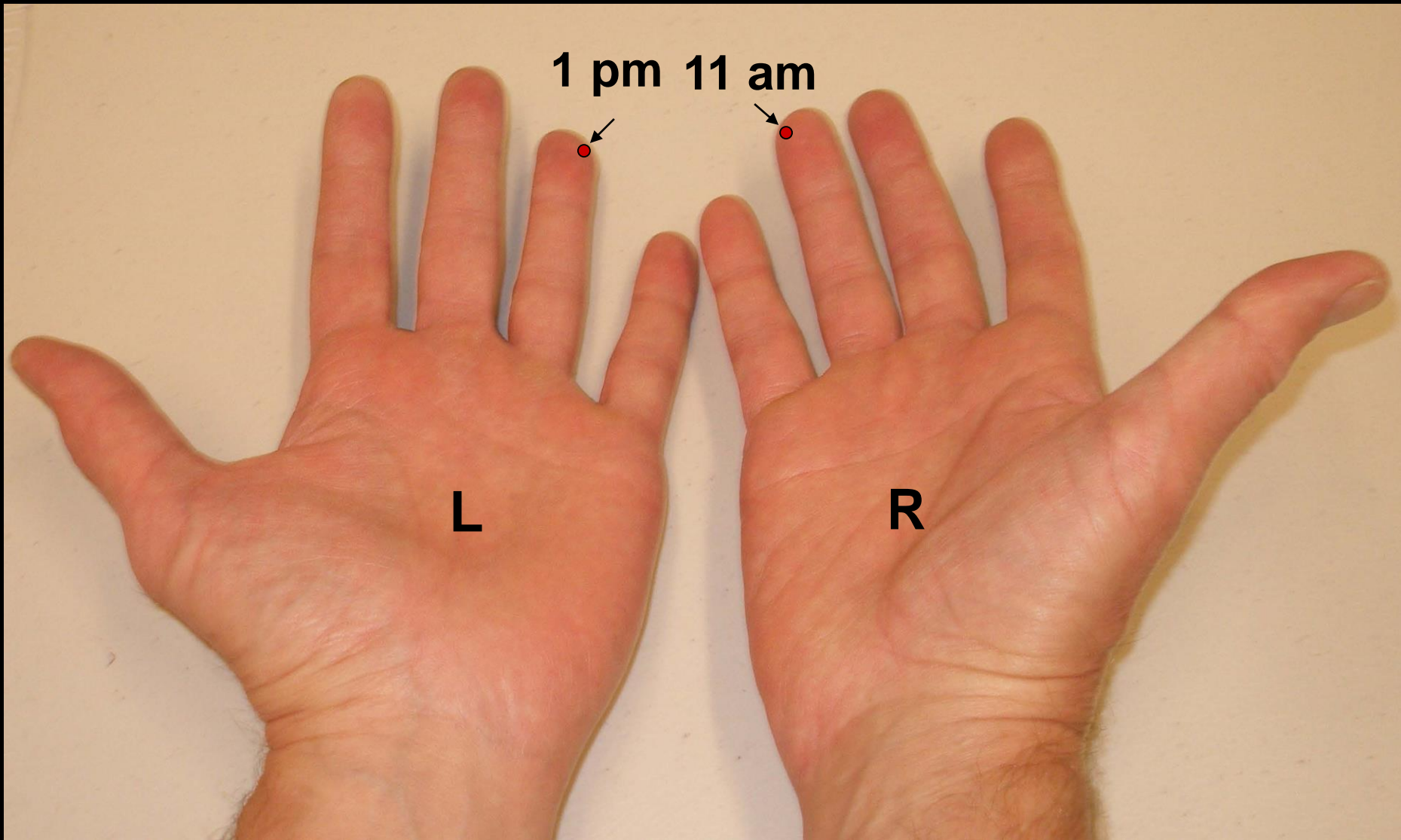
Blood Typing



WBC Differential

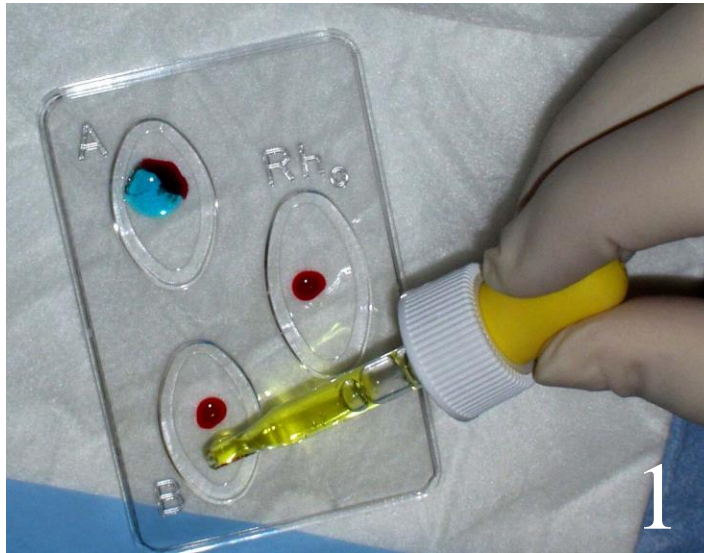


Autolet Device on non-dominant L or R hand

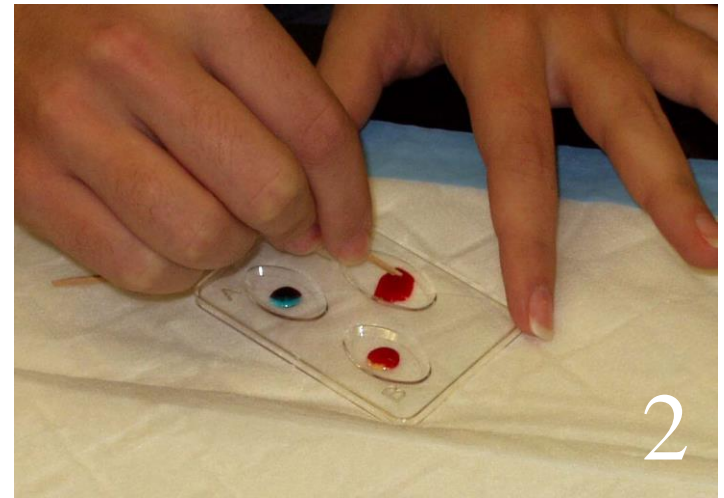


Depress the flesh!

Blood Typing



Add Antisera



Mix with Toothpicks



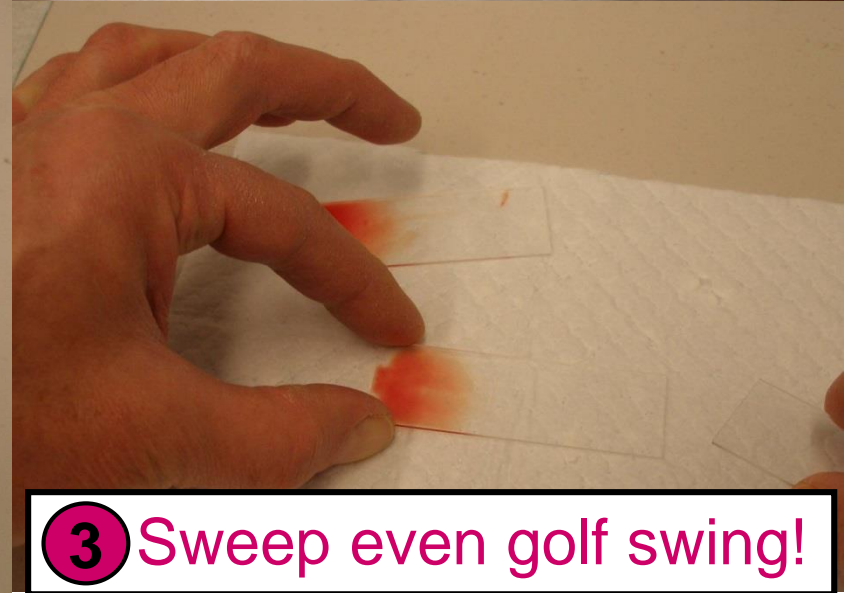
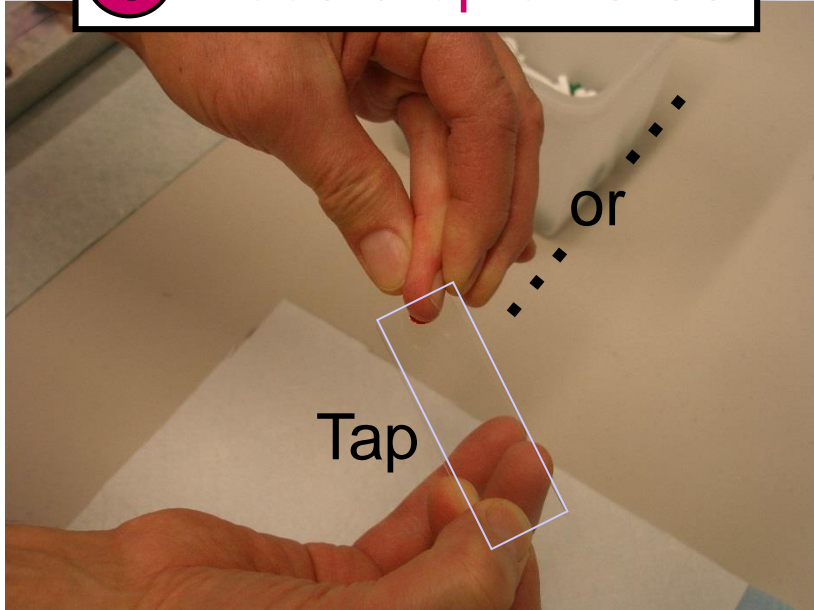
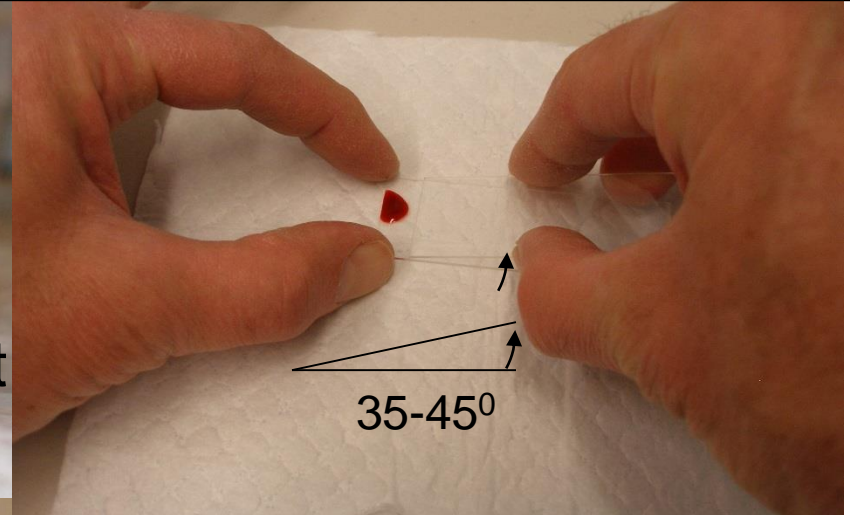
Read + Record

White Blood Cell Differential



1 Blood drop on slide

2 Clean slide edge into blood



Outer Edge Halo Effect – One Cell Layer Thick!

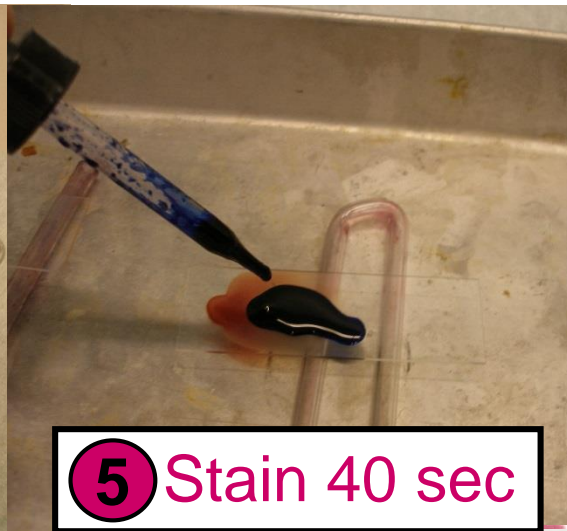


Similar to a Feather!

White Blood Cell Differential



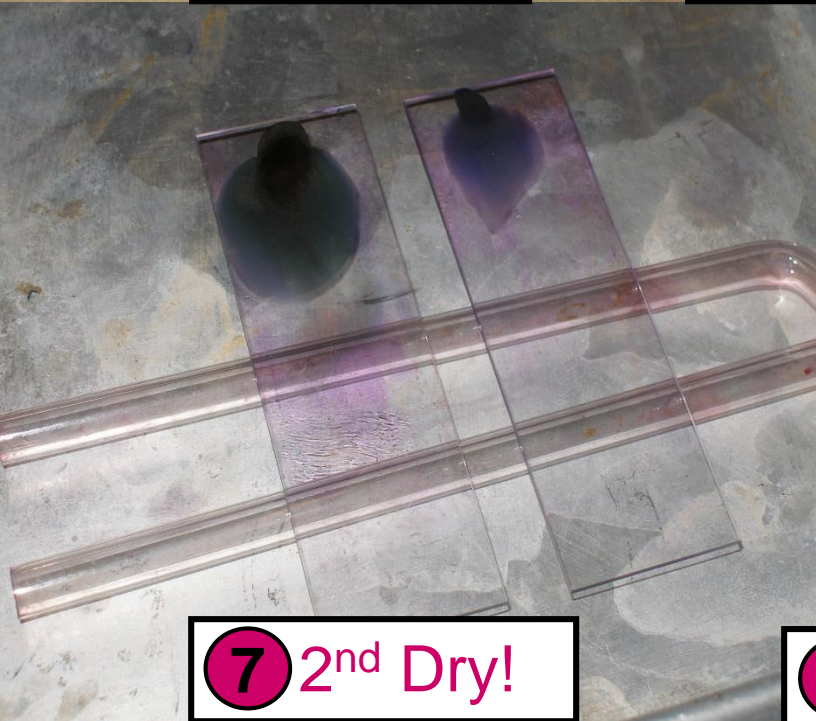
4 1st Dry!



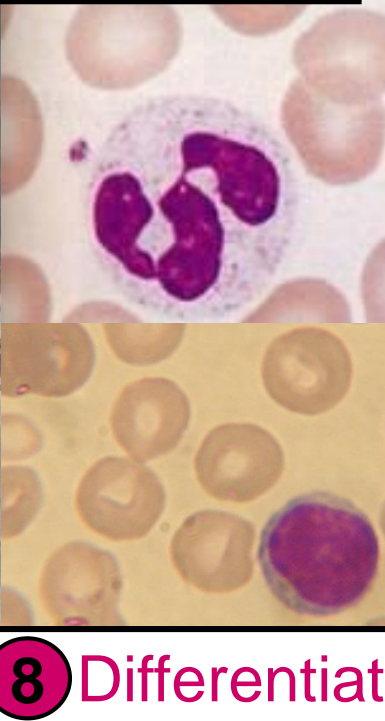
5 Stain 40 sec



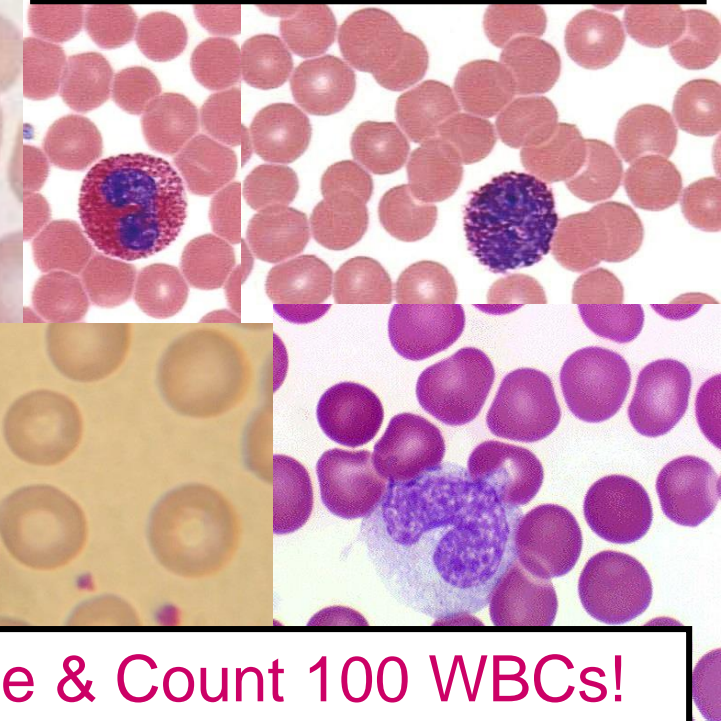
6 Gentle Rinse 1 & 2



7 2nd Dry!



8 Differentiate & Count 100 WBCs!



CLEAN-UP!



FOLD DIAPER



BLOOD PRODUCTS



REWASH!!

Q about Lab?