

BI 358 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.

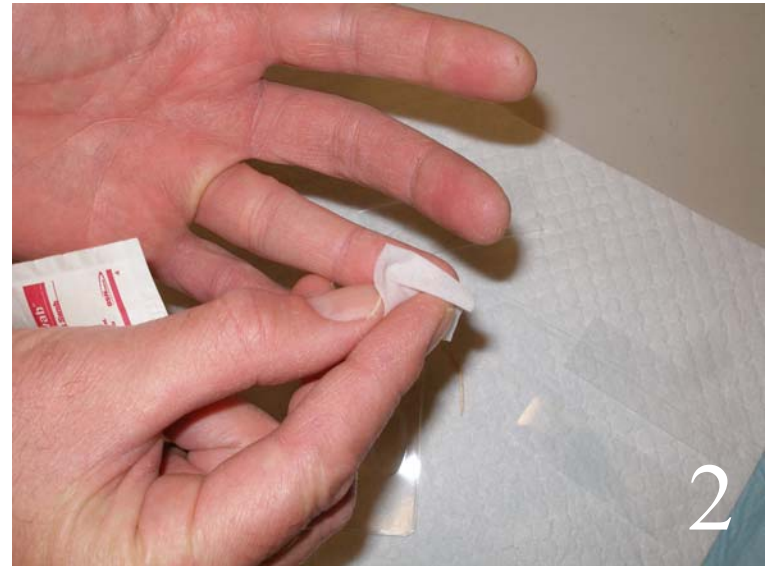
Litman GW, Sharks and the origins of vertebrate immunity. *Scientific American*, Nov 1996, Nov 275(5), pp 66-70.

NB: If you receive outline feedback by this R pm, by next T please e-mail copy of paper draft to aleesas@uoregon.edu or precious@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



Wash + dry



Alcohol



Air dry + kim wipe?

Sample + Tests

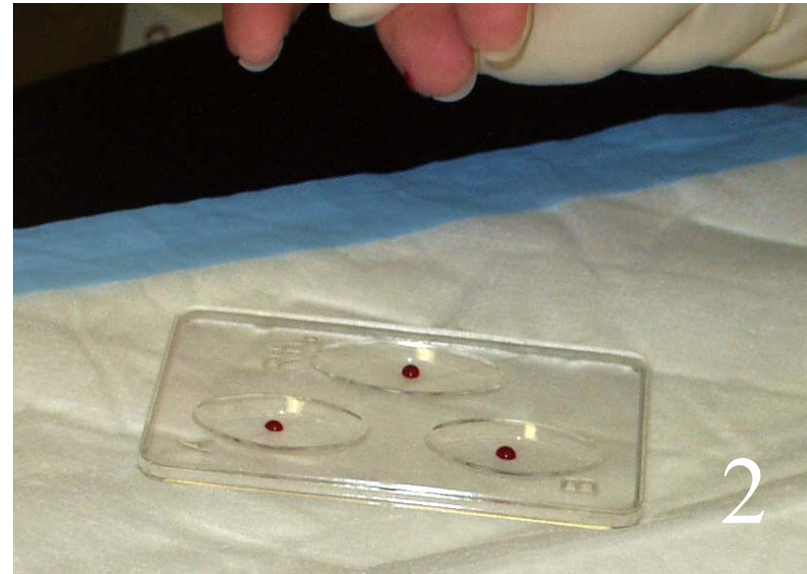
Obtain μ Sample



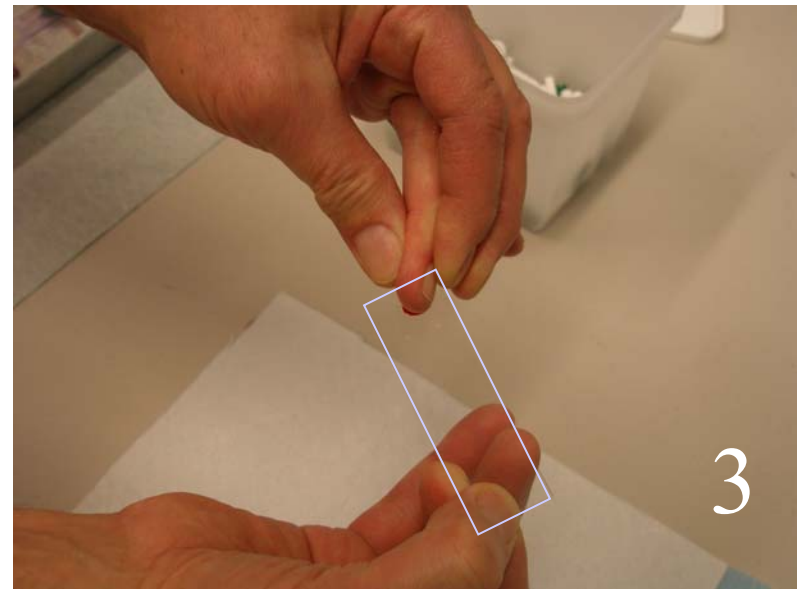
or...



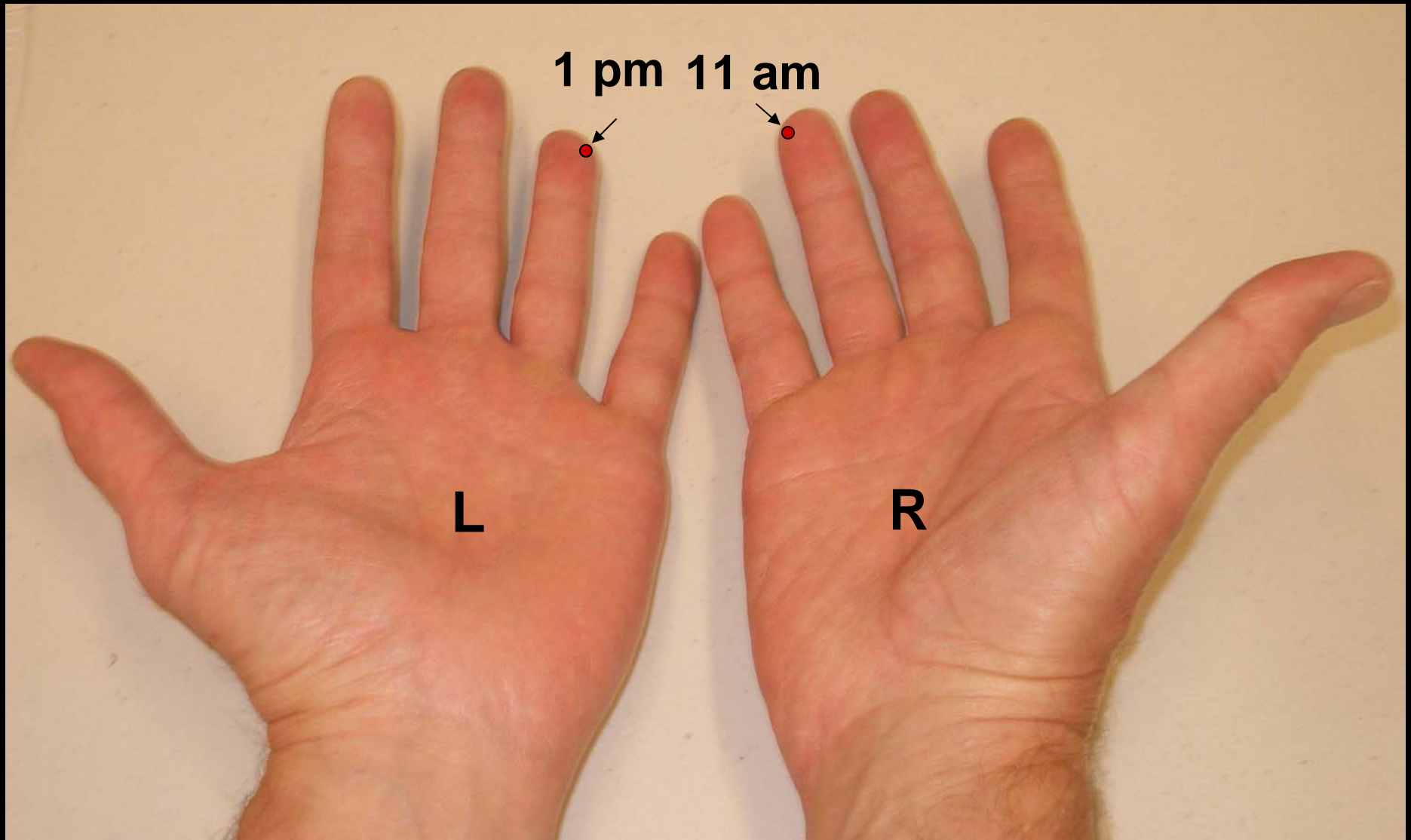
Blood Typing



WBC Differential

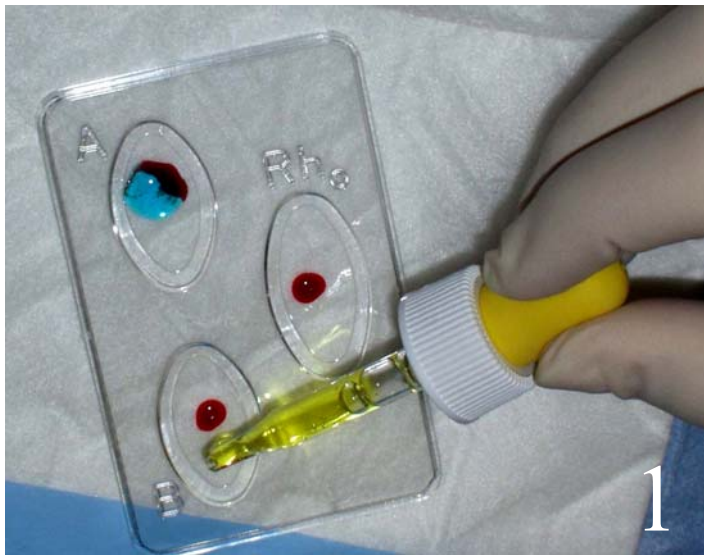


Autolet Device on non-dominant L or R hand

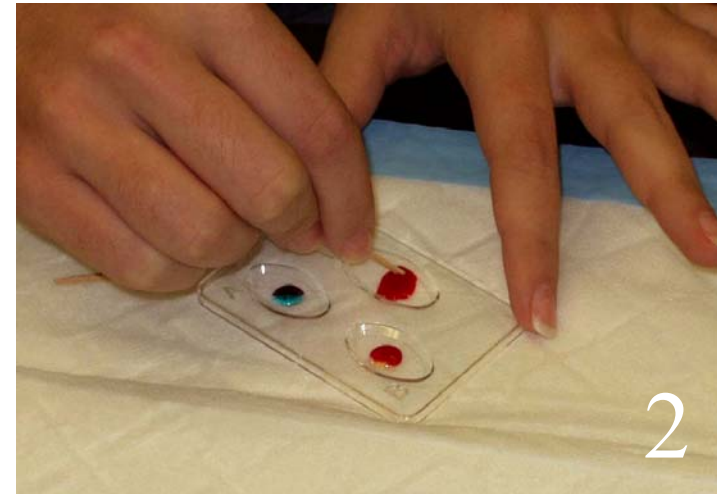


Depress the flesh!

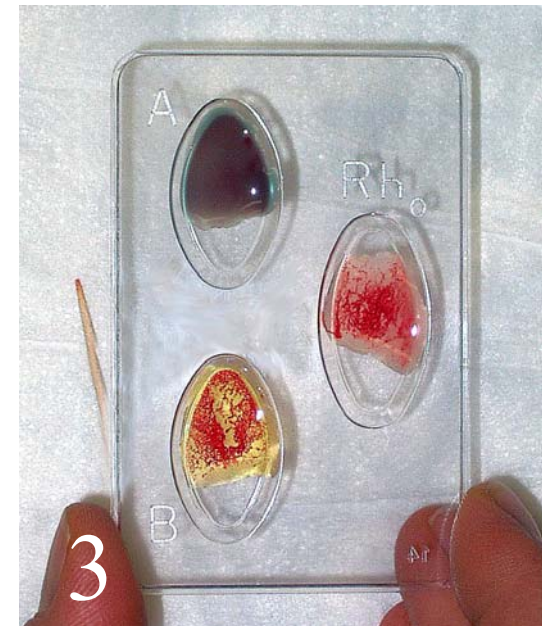
Blood Typing



Add Antisera



Mix with Toothpicks

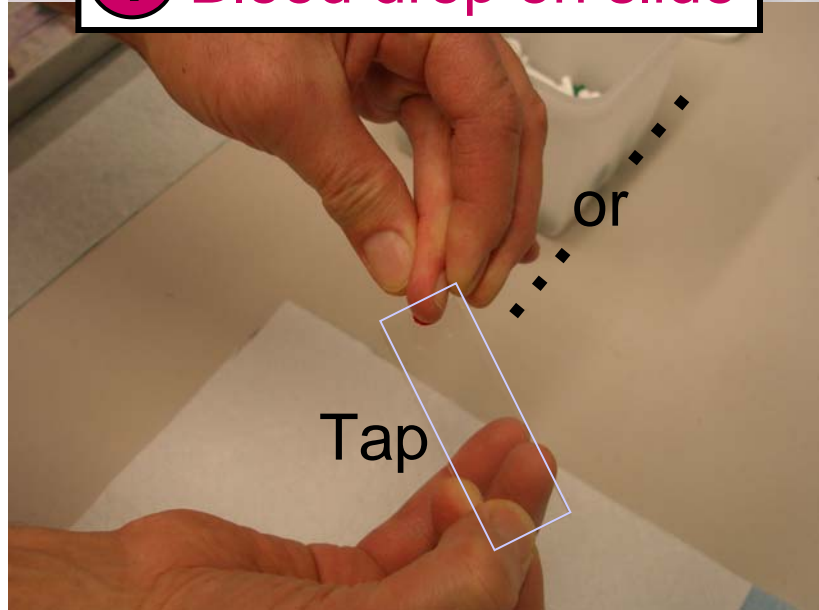


Read + Record

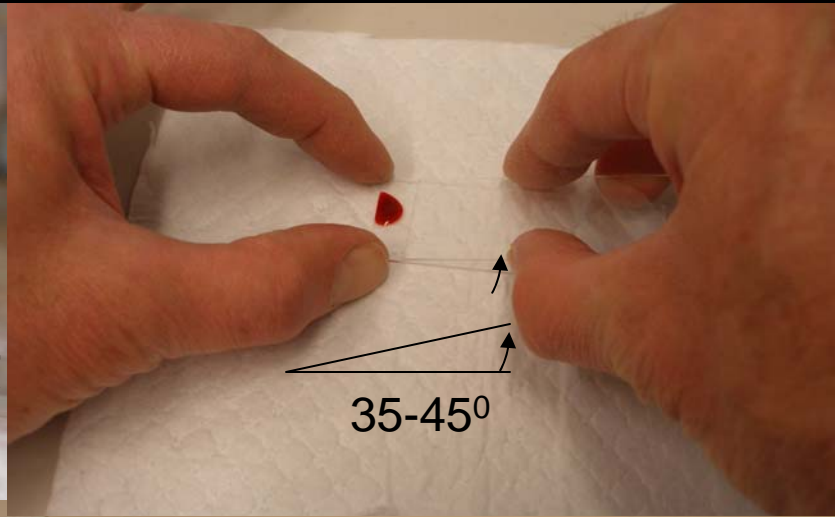
White Blood Cell Differential



1 Blood drop on slide



2 Clean slide edge into blood



3 Sweep even golf swing!

Outer Edge Halo Effect – One Cell Layer Thick!

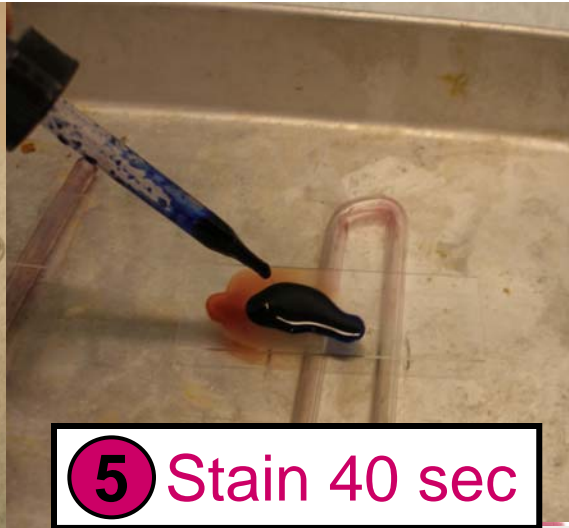


Similar to a Feather!

White Blood Cell Differential



4 1st Dry!



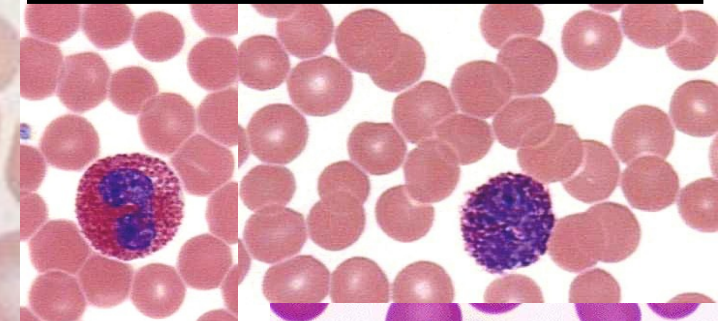
5 Stain 40 sec



6 Gentle Rinse 1 & 2



7 2nd Dry!



8 Differentiate & Count 100 WBCs!

CLEAN-UP!



FOLD DIAPER



BLOOD PRODUCTS



REWASH!!

Q about Lab?