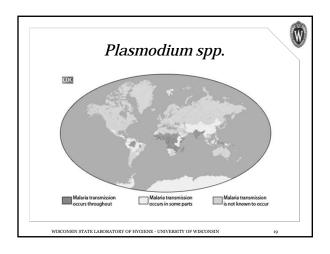
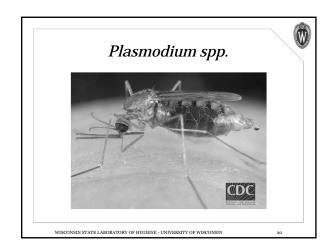
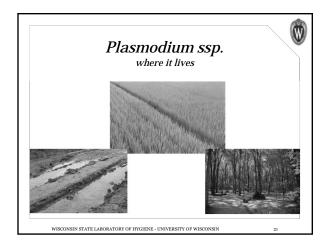
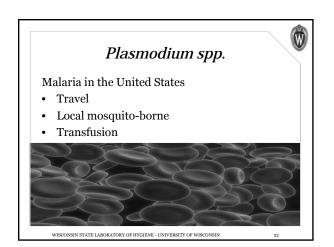


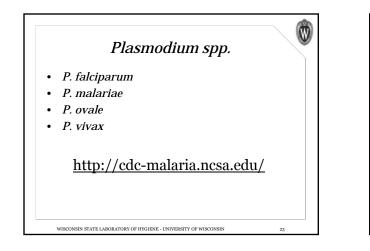
1/12/2015

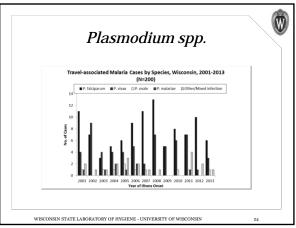




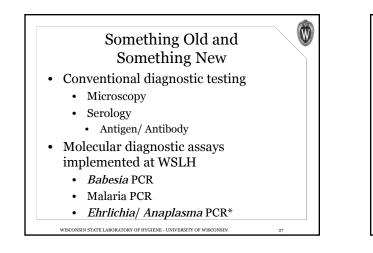


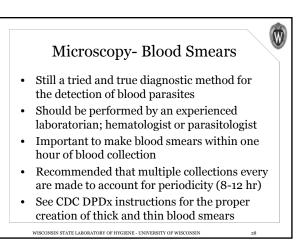


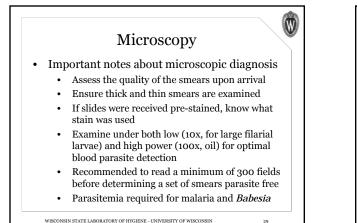


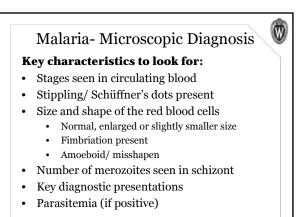


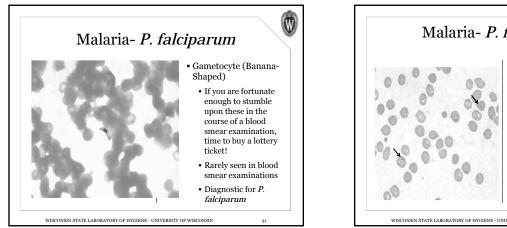


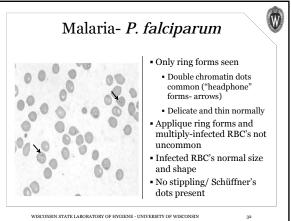


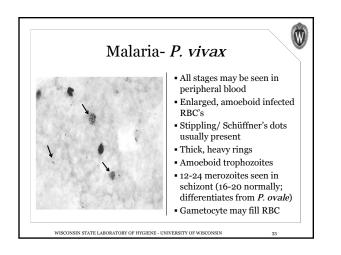


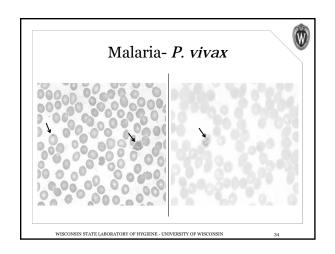


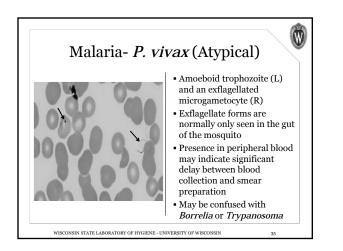


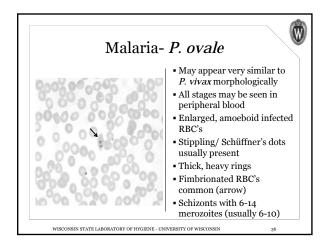


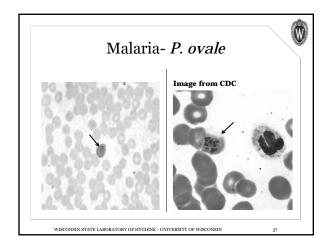


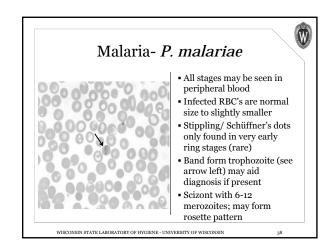


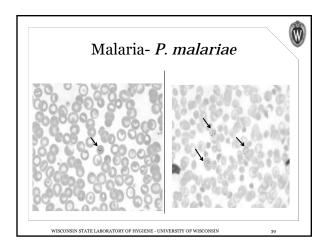


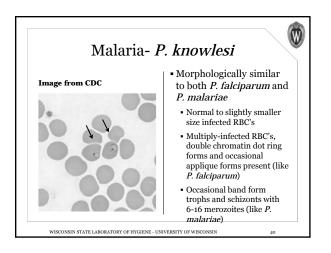


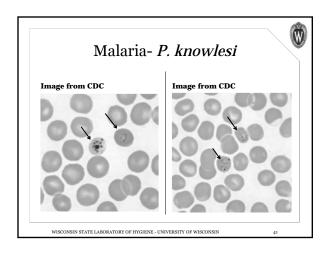


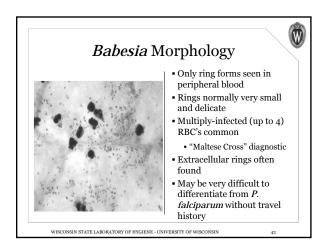


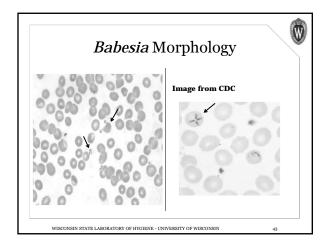


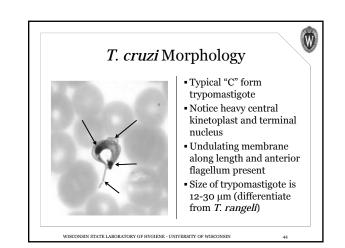


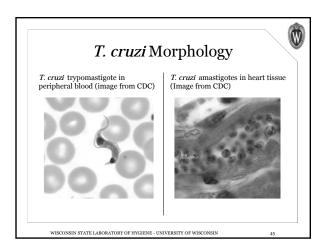


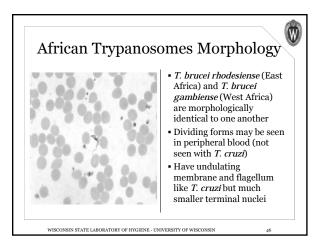


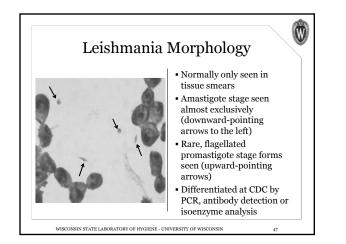


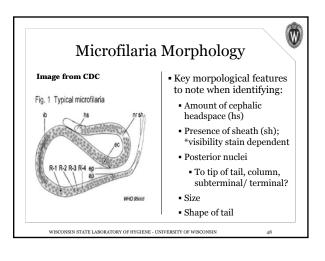


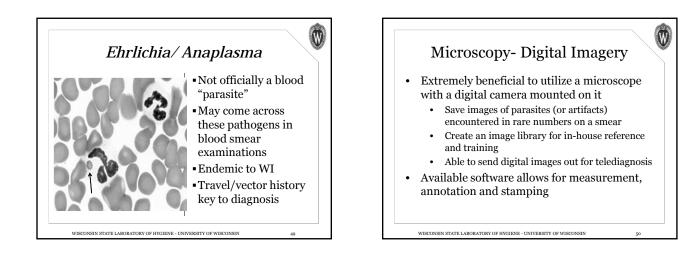


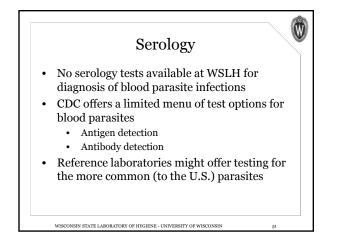


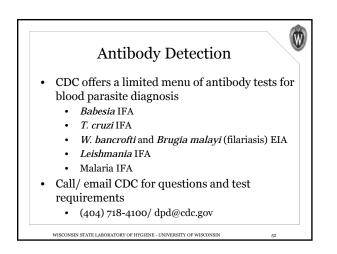


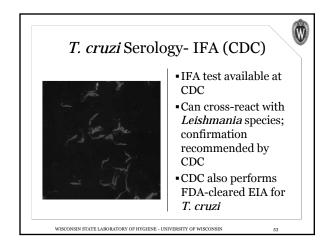


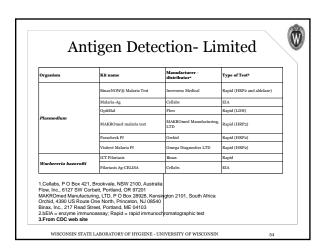












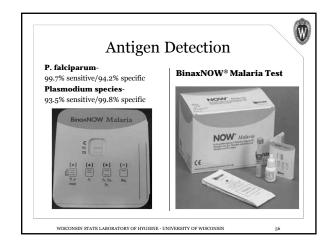
Antigen Detection- BinaxNOW®

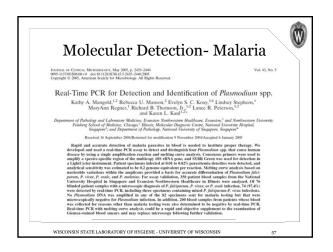
- BinaxNOW[®] Malaria Test
 - Rapid immunochromatographic membrane antigen test for the detection of *Plasmodium* species and *P. falciparum* from EDTA blood

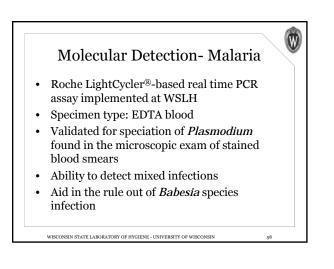
W

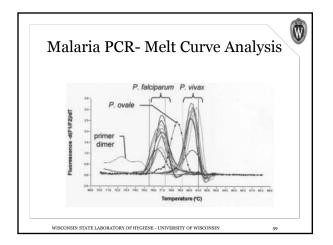
Results within one hour

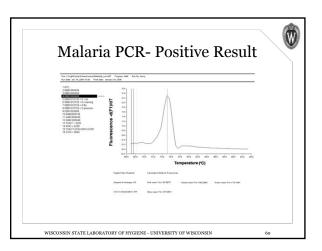
- Should be followed up with thick and thin blood smear examination
- Not indicated as a screen for asymptomatic populations
- Antigen may be detected for several days postmalaria elimination (post-treatment)
- The only available RDT for Malaria in the U.S.; gathered publicity during Ebola preparedness

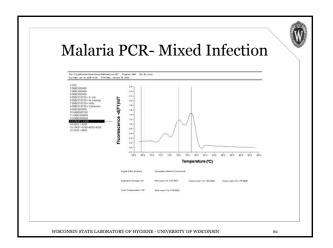


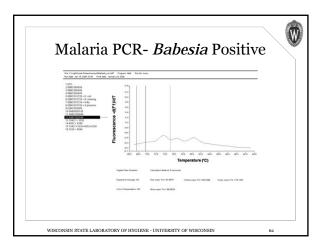


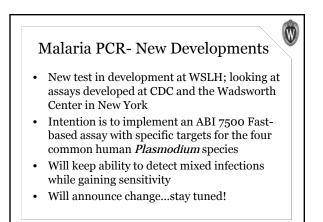




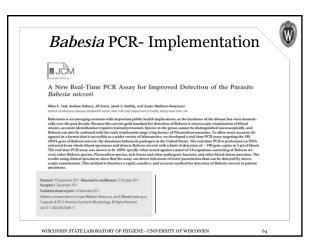


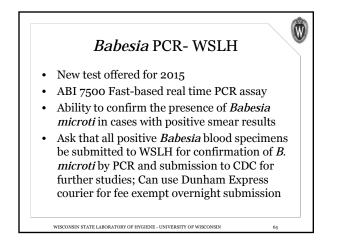


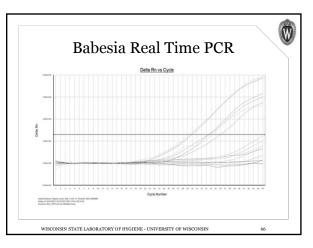




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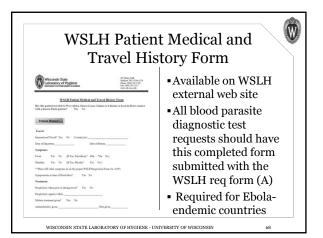


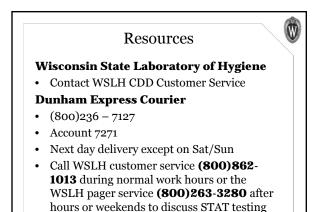
Blood Specimen Submission

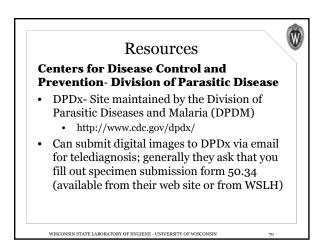
W

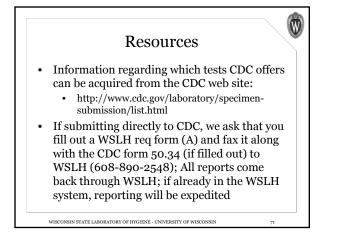
- All *Plasmodium* and *Babesia*-positive blood specimens are asked to be sent to WSLH for molecular speciation and submission to CDC for surveillance testing
 - Fee exempt confirmation of positive specimens
 Susceptibility testing of *Plasmodium* species at CDC if the parasite is viable
 - Please submit thick and thin blood smear slides (stained or unstained) with EDTA blood

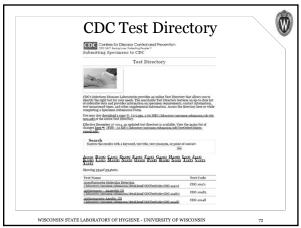
WISCONSIN STATE LABORATORY OF HYGIENE - UNIVERSITY OF WISCONSIN











Summary

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- *Plasmodium* species, *Babesia microti* and *T. cruzi* (and *Ehrlichia/ Anaplasma*?) might be coming to a microscope slide near you soon
- Microscopy is still an effective way to diagnose bloodborne parasites but new methodologies are available and in use
- Useful diagnostic resources are an email away; telediagnosis can be an effective and efficient means to a quick and accurate diagnosis

