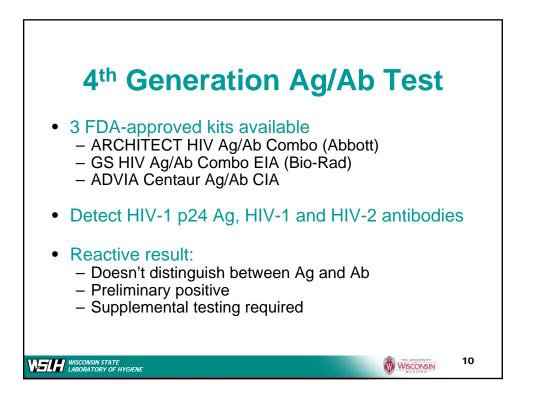
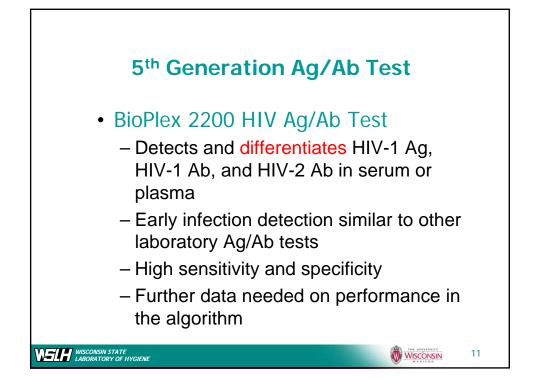
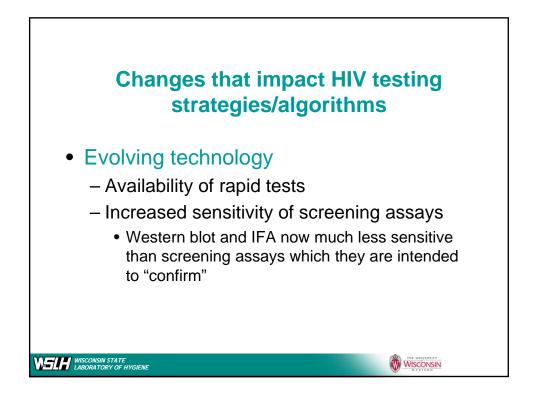
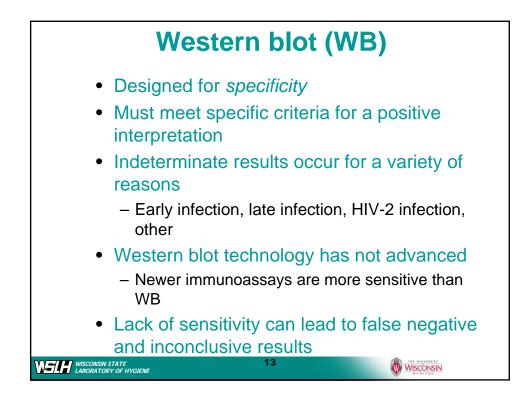


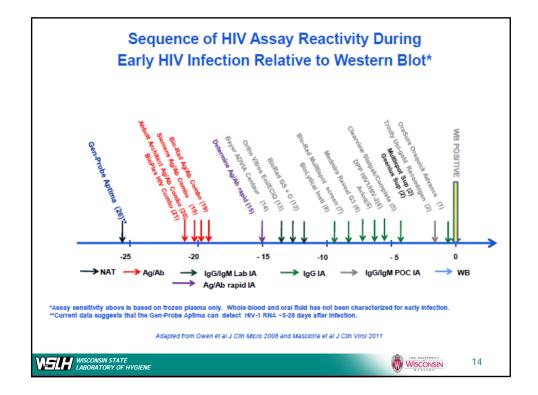
Assays					
Test Name (Manufacturer)	Instrument	Specimen Types	Result Output		
Abbott ARCHITECT HIV Ag/Ab Combo (Abbott Diagnostics)	Fully automated, random access (i2000SR)	Serum Plasma	Nonreactive Reactive		
GS HIV Combo Ag/Ab EIA (Bio-Rad Laboratories)	Manual or semi- automated instrument (Evolis)	Serum Plasma	Nonreactive Reactive		
ADVIA Centaur HIV Ag/Ab Combo (Siemens Healthcare Diag.)	Fully automated, random access (Centaur/Centaur XP)	Serum	Nonreactive Reactive		

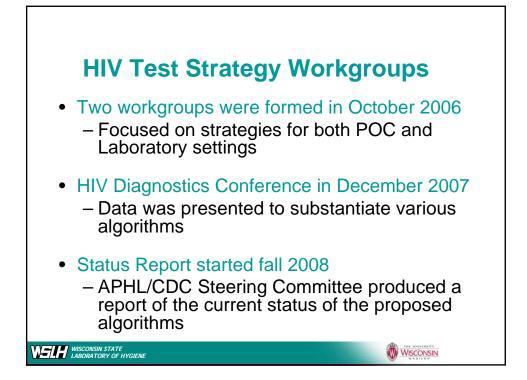


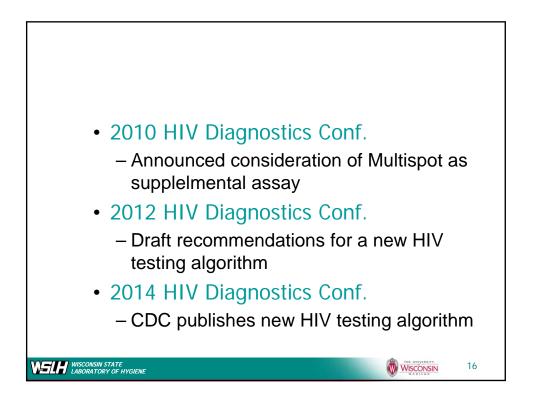










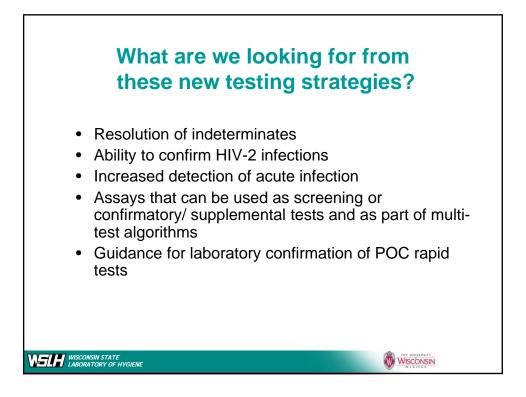


Representation on Laboratory and POC Workgroups

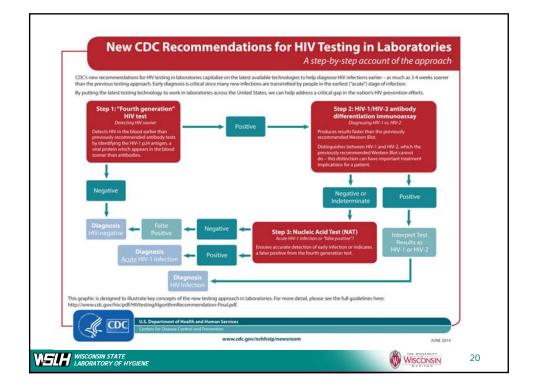
- Association of Public Health Laboratories
- American Clinical Laboratory Association
- American Society of Microbiology
- Blood Banks
- College of American
 Pathologists
- US Centers for Disease Control and Prevention
- Commercial Laboratories
- US Department of Defense
- US Food and Drug Administration
- HIV Program Staff from NASTAD and Public health departments

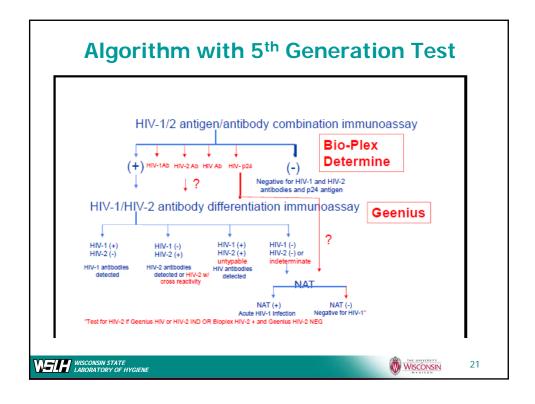
WISCONSIN

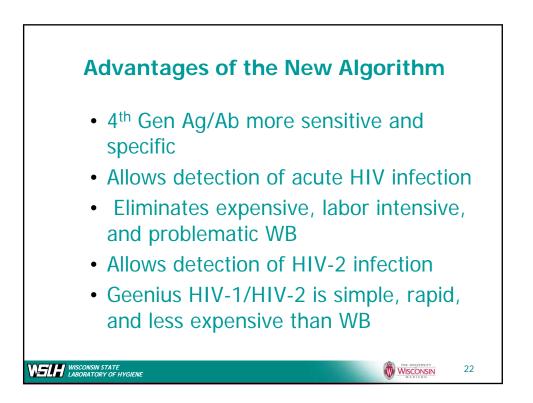
WELH WISCONSIN STATE LABORATORY OF HYGIENE

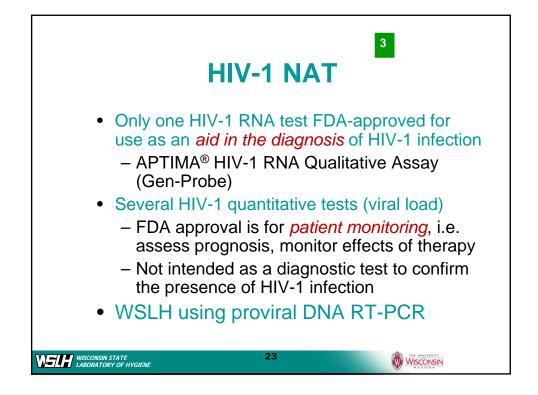


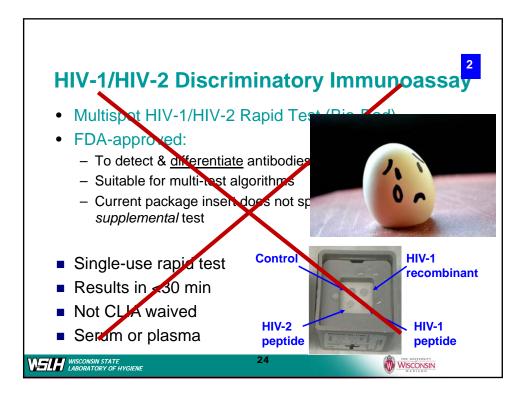


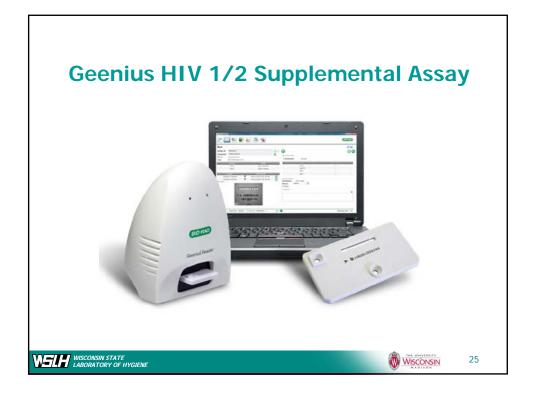


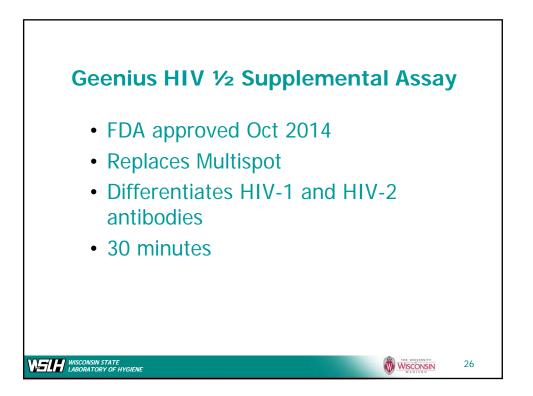


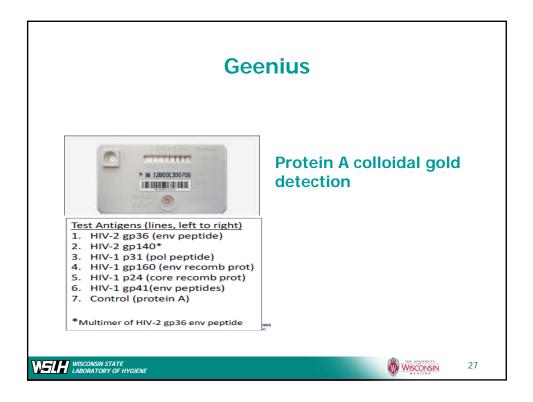








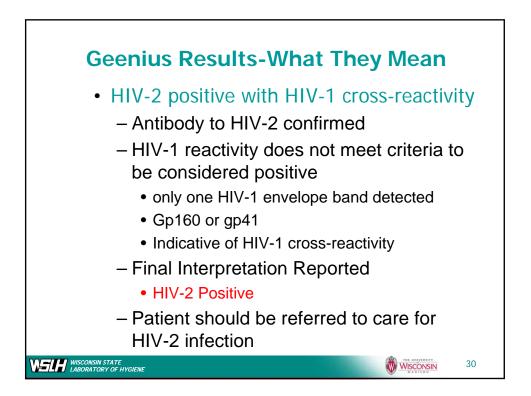


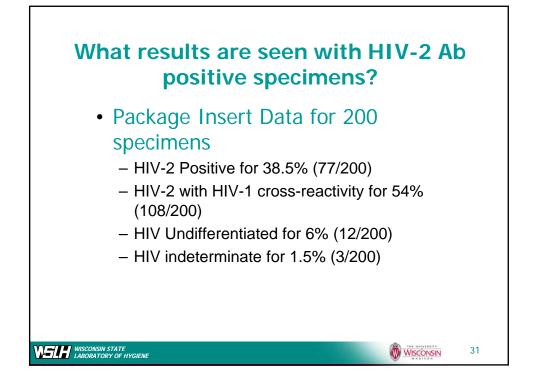


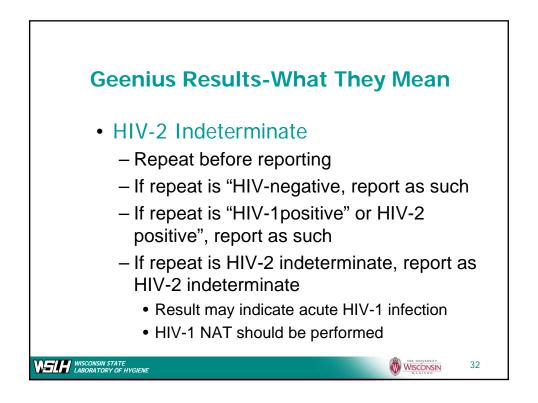
Geenius[™] Compared to Multispot

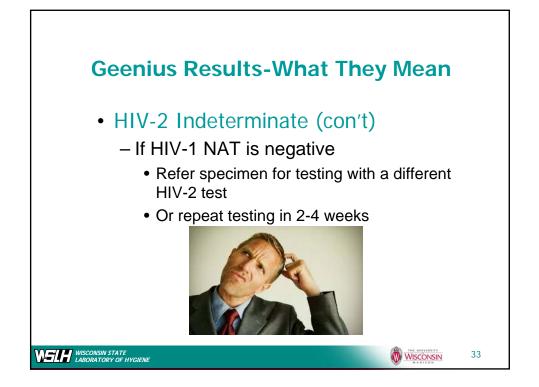
Multispot	Geenius	
Rapid testing (2004) or Supplemental (2013)	Supplemental use only (confirmation)	
Manual reading and interpretation	Geenius Reader and automatic interpretation on Geenius Software	
Manual result entry into LIS/LIMS	Bi-directional connection to LIS/LIMS	
Manual labeling	Full traceability; barcode identification	
Dilution protocol in PI to resolve cross- reactivity	No Equivalent	
Serum or plasma	Serum, plasma, fingerstick or venous whole blood	
WISCONSIN STATE LABORATORY OF HYGIENE		

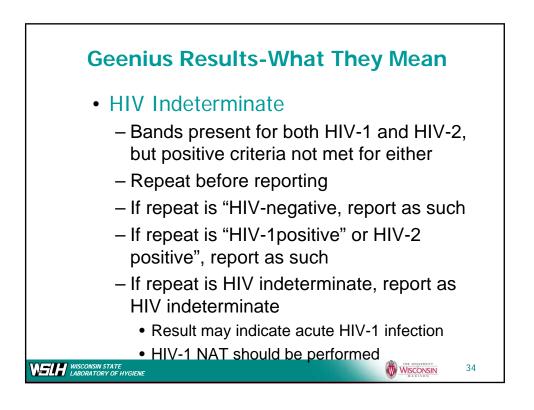
Geenius™ and Multispot Results				
Multispot Results	Geenius Results			
Nonreactive	Nonreactive			
Reactive: HIV-1 positive	Reactive: HIV-1 positive			
Reactive: HIV-2 positive	Reactive: HIV-2 positive			
No Equivalent	Reactive: HIV-2 positive with HIV-1 cross-reactivity			
Reactive: HIV positive (undifferentiated)	Reactive: HIV positive untypable (undifferentiated)			
Indeterminate: HIV-1 indeterminate	Indeterminate: HIV-1 indeterminate			
No Equivalent	Indeterminate: HIV-2 indeterminate			
No Equivalent	Indeterminate: HIV indeterminate			
SUH VISCONSIN STATE LABORATORY OF HYGIENE				

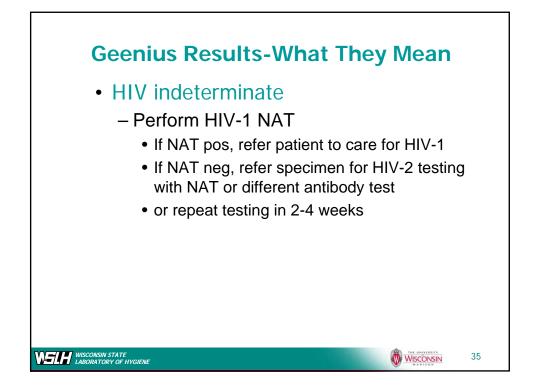


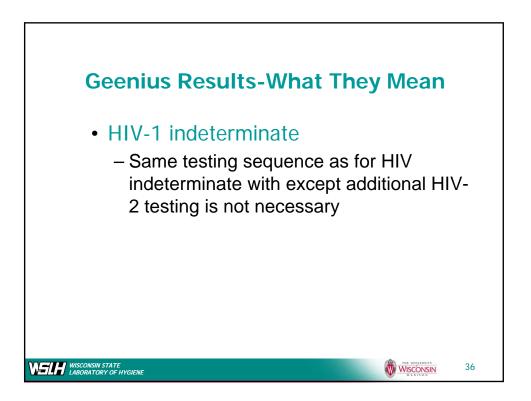


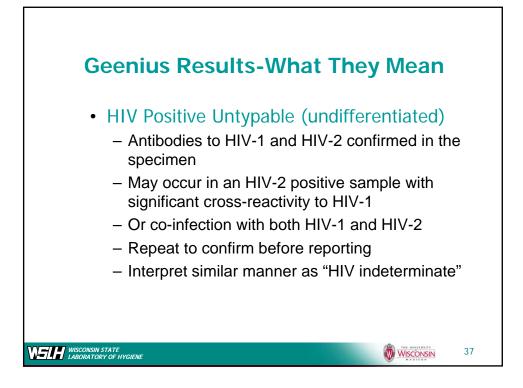


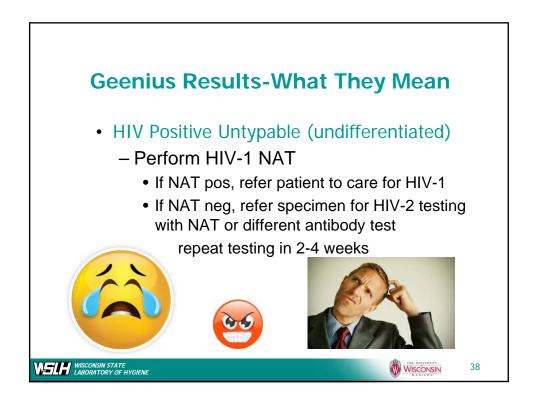






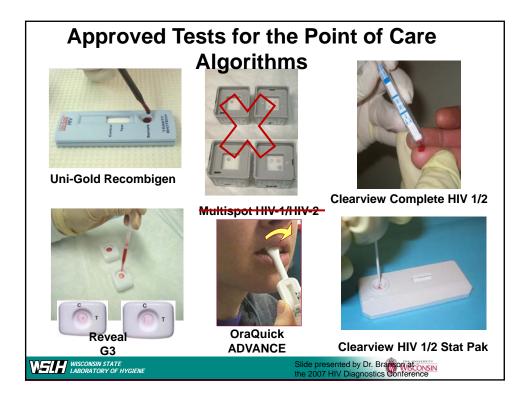






Not Reported		ius Results Reporting
		Reported
HIV-l result	HIV-2 result	Geenius Assay Interpretation
Negative	Negative	HIV Negative
Indeterminate	Negative	HIV-1 Indeterm in a te
Negative	Indeterminate	HIV-2 Indeterminate
Indeterminate	Indeterminate	HIV Indeterminate
Positive	Negative	HIV-1 Positive
Positive	Indeterminate	HIV-1 Positive
Negative	Positive	HIV-2 Positive
Indeterminate	Positive	HIV-2 Positive
Positive	Positive	HIV-2 POSITIVE with HIV-1 cross-reactivity: Antibody to HIV-2 confirmed in the sample. HIV-1 positivity (with only one HIV- 1 envelope band, gp160 or gp41), is due to cross-reactivity and precludes confirmation of HIV-1.* *Note: Differentiation features managed by proprietary algorithm.
Positive	Positive	HIV POSITIVE Untypable (undifferentiated): Antibodies to HIV-1 and HIV-2 confirmed in the sample. This may occur in an HIV-2 positive sample with significant cross-reactivity to HIV-1, or may be due to co-infection with both HIV-1 and HIV-2 (rare).* *Note: Differentiation features managed by proprietary algorithm





Product	Specimen type	CLIA Category	Exp.
Unigold Recombigen HIV	Whole Blood Serum, Plasma	Waived Moderate Complexity	1 yr
OraQuick ADVANCE HIV 1/2	Oral Fluid, Whole Bld Plasma	Waived Moderate Complexity	6 mos.
Reveal G3 Rapid HIV-1	Serum, Plasma	um, Plasma Moderate Complexity	
Clearview STAT-PAK HIV-1/2	Whole Blood Serum, Plasma	Waived Moderate Complexity	2 yrs
Clearview Complete HIV-1/2	Whole Blood Serum, Plasma	Waived Moderate Complexity	2 yrs
Alere Determine	Whole Blood	Waived Moderate Complexity	15 mo
WISCONSIN STATE	VALENE		IN

Product	Manufacturer	Analyte	Specimen Type	Sensitivity	Specificity	FDA Approval
Unigold Recombigen HIV	Trinity Biotech www.trinityusa.com	HIV-1	Whole blood, Serum, Plasma	100%	99.7%	Dec. 2003
OraQuick ADVANCE HIV 1/2	Orasure Technologies www.orasure.com	HIV-1 HIV-2	Whole blood, Oral fluid, Plasma	99.6% BL 99.3% OF	100% BL 99.8% OF 99.9% plasma	June 2004
Reveal G3 Rapid HIV-1	MedMira www.reveal-hiv.com	HIV-1	Serum, Plasma	99.8%	99.1% serum 98.6% plasma	Oct. 2006
Clearview STAT-PAK HIV-1/2 & Complete HIV-1/2	Inverness Med. www.invernessmedical pd.com	HIV-1 HIV-2	Whole blood, Serum, Plasma	99.7%	99.9%	May 2006
Determine HIV-1/2 Ag/Ab	Alere www.alerehiv.com	HIV-1 Ab HIV-2 Ab HiV-1 Ag	Whole blood, serum, plasma	99.9	99.7% BL 99.6% serum 99.7% plasma	2013,2014

