

HIV Validation Panel Summary

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Outline

- Purpose
- Panel Composition
- Panel Issues and Resolutions
- Geenius Issues
- Lessons Learned Discussion



Purpose

 To validate new HIV diagnostic tests for use by sites in MTN protocols

Panel Composition

- Panel Type
 - Pre-Qualification Panel (16 samples)
 - Main Validation Panel (80 samples)
- Unique panel for each of 14 sites + extras at Virology Core for future sites created using commercially available and leftover samples from MTN studies
- 1508 tests run for panel creation, internal QC and testing

Validation Panel Site Results

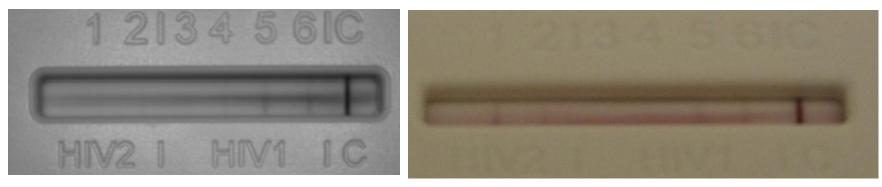
Category	# Sites	
	PRE-QUAL	MAIN
No issues	6 (40%)	6 (40%)
Additional Testing Needed	3 (20%)	6 (40%)
Corrected Documentation Requested	5 (33%)	3 (33%)
Procedural errors discovered	1 (7%)	1 (7%)

Panel Issues and Resolutions

Issue	# of Occurrences	Resolution
Incorrect Documentation Practices	8	Ranged from re-submission of corrected document to assignment of online GCLP documentation training course.
Reporting an Invalid Result	1	Re-test samples assigned.
Reporting an Indeterminate Result	12	Re-test samples assigned.
Reporting an Incorrect Result	2	Investigation by LC and re-test samples assigned.
Procedural Issues	1	After discussion and identification of the problem, retest samples were assigned.

Geenius Horizontal Banding

- Red horizontal banding at cassette reading
 - Ensure procedure is being followed exactly note that second incubation time may need to be closer to 30 minutes instead of 20.
 - Ensure buffer volumes are accurate.



Bio-Rad is aware of this problem and has suggested that for some lots, letting the second incubation run closer to 30 minutes rather than 20 and the band may dissipate.

Geenius HIV-2 Indeterminates

 10 HIV-2 indeterminate results were obtained on HIV Negative samples in these panels.

Package insert: 1.7%

Validation Panel: 1.6%

HIV-2 Indeterminate Results-Main Validation Panel (for HIV Negative samples)			
Sample ID	# of times Indeterminate	# of times Negative	
Master-02	1	13	
Master-30	1	7	
Master-48*	4	3	
Master-58	2	4	
Master-84	1	6	
Master-91	1	6	

^{*}Master 48 was removed from panel.

Lessons Learned

- Describe one challenge you faced from the validation and how you solved it.
- Share with the group.



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