



PROFICIENCY TESTING SERVICE
AMERICAN ASSOCIATION OF BIOANALYSTS
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PARTICIPANT STATISTICS

THIRD QUADRIMESTER 2018

HIV MARKERS

Method	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5		
	Neg	Pos	Ind	Neg	Pos	Ind	Neg	Pos	Ind	Neg	Pos	Ind	Neg	Pos	Ind
*Abbott Architect HIV Ag/Ab		13			13			13			13				13
Alere Clearview Complete HIV 1/2		3			2	1		3			3				3
*Alere Determine		114			101	13		111	3		113	1		2	112
Bio-Rad Bioplex 200, 2200	1	3			2	2		4			4			1	3
*Bio-Rad Genscreen HIV-1/2		3			1	2		3			3				3
*Bio-Rad GS HIV Combo Ag/Ab EIA		14			14			14			14				14
Bio-Rad HIV-1/2 Plus O EIA		3			3			3			3				3
Chembio HIV 1/2 STAT-PAK		12			12			12			12				12
Clearview Stat-Pak		4			4			4			4				4
OraSure OraQuick Advance	1	4			4	1		4		1	4		1		5
Siemens Advia CHIV		6			6			6			6				6
Trinity Uni-Gold Recombigen		7			7			7			7				7
Total Population	2	194	0	143	52	1	192	3	1	194	1	1	3	193	0
Flagging	***			***		&&&		***	***		***	***	***	***	***

& 4th Generation Ag/Ab Combo kits reacted to the p24 antigen as would be expected. For Specimen 2 They were evaluated against both antigen and antibody. If your kit reports serology and antigen independently, you must report antigen detection separately or be flagged.

* Alere Determine users appear to correctly have identified the positive p24 Antigen, but have largely called the screen negative. Methods that report antigen and anti-HIV separately should have reported Negative for Specimen 2.

anti-HIV-1 or 1/2

Confirmation

Method	Specimen 1				Specimen 2									
	Neg	Pos	Ind	Pos HIV 1/Neg HIV2	Neg HIV 1/Neg HIV2	Pos HIV 1/Pos HIV2	Neg, TNP	Neg	Pos	Ind	Pos HIV 1/Neg HIV2	Neg HIV 1/Neg HIV2	Pos HIV 1/Pos HIV2	Neg, TNP
Bio-Rad Geenius				8		1						9		
Trinity Uni-Gold Recombigen		31						30						1
Total Population	0	33	1	8	0	1	0	32	1	0	0	9	0	1
Flagging	***			***		***	***		***	***	***		***	***

anti-HIV Confirmation

Method	Specimen 3				Specimen 4									
	Neg	Pos	Ind	Pos HIV 1/Neg HIV2	Neg HIV 1/Neg HIV2	Pos HIV 1/Pos HIV2	Neg, TNP	Neg	Pos	Ind	Pos HIV 1/Neg HIV2	Neg HIV 1/Neg HIV2	Pos HIV 1/Pos HIV2	Neg, TNP
Bio-Rad Geenius					7		2					7		2
Trinity Uni-Gold Recombigen	29	1				1		30						1
Total Population	31	2	0	0	7	0	3	32	1	0	0	7	0	3
Flagging		***	***	***		***			***	***	***		***	

anti-HIV Confirmation

Method	Specimen 5						
	Neg	Pos	Ind	Pos HIV 1/Neg HIV2	Neg HIV 1/Neg HIV2	Pos HIV 1/Pos HIV2	Neg, TNP
Bio-Rad Geenius				9			
Trinity Uni-Gold Recombigen	1	30					
Total Population	1	32	1	9	0	0	0
Flagging	***				***	***	***

p24 Antigen

Method	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5		
	Neg	Pos	Ind	Neg	Pos	Ind	Neg	Pos	Ind	Neg	Pos	Ind	Neg	Pos	Ind
Alere Determine	112				113			111	1			111	1		
Total Population	117	0	0	0	118	0	116	1	0	116	1	0	117	0	0
Flagging		***	***	***		***		***	***		***	***	***	***	***

Correct responses are defined as those reflecting agreement among 80% or more of all participants or referees. Unacceptable responses are indicated by "*****" on the Flagging line of each specimen.