

Supplemental Table 1. Test Results from 8 Recommended Algorithm-Defined HIV-Positive Specimens with Undetectable Viral

Load*

Specimen No.	ARC (S/CO)	GS (S/CO)	CHIV (S/CO)	BPC (index)	DC (Ag/Ab)	Geenius interpretation	Geenius bands	Apt-Qual
1	275	15.2	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	gp160, gp41	Positive
2	523	15.4	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	gp140, p31, gp160, p24, gp41	Positive
3	460	15.5	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	gp160, gp41	Negative
4	373	15.6	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	gp160, gp41	Negative
5	242	15.2	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	p31, gp160, p24, gp41	Negative
6	297	15.6	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	p31, gp160, p24, gp41	Negative
7	91.9	15.4	12.0	>200	Ag neg/ Ab pos	HIV-1 Positive	gp160, gp41	Positive
8	25.2	15.4	12.0	99.9	Ag neg/ Ab neg	HIV-1 Positive	gp160, p24, gp41	Negative

Abbreviations: ARC, Abbott ARCHITECT HIV Ag/Ab Combo; GS, Bio-Rad GS HIV Combo Ag/Ab EIA; CHIV, Siemens ADVIA Centaur HIV Ag/Ab Combo; BPC, Bio-Rad BioPlex 2200 HIV Ag-Ab; DC, Alere Determine HIV-1/2 Ag/Ab Combo; S/CO, signal to cutoff value; Apt-Qual, Aptima HIV-1 RNA Qualitative Assay.

*Roche COBAS AmpliPrep/ COBAS TaqMan HIV-1 Test v2.0 used in off-label 1:5 dilution protocol with 100 μ L of plasma. These specimens were not tested with the Aptima HIV-1 Quant Assay.