











A. HIV-p24 ELISA quantification – HIV+ART #12

Medium						ATRA					
48-well plate: 1x10 ⁵ cells/well			96-well plate: 2x10 ⁵ cells/well			48-well plate: 1x10 ⁵ cells/well			96-well plate: 2x10 ⁵ cells/well		
Original replicates	Splitting replicates (HIV-p24 [pg/ml])		Positivity	Original replicates	Splitting replicates (HIV-p24 [pg/ml])		Positivity	Original replicates	Splitting replicates (HIV-p24 [pg/ml])		Positivity
	Day 9	Day 12			Day 9	Day 12			Day 9	Day 12	
1	0	0	NO	1	0	0	NO	1	0	0	NO
	0	0			0	0			0	0	
	0	0			0	0			0	0	
	0	0			0	137			0	0	
2	0	0	NO	2	0	0	NO	2	0	0	NO
	0	0			22	0			0	0	
	0	0			0	0			0	0	
	0	0			0	0			0	0	
3	0	0	NO	3	0	0	NO	3	0	0	NO
	0	0			0	0			31	0	
	0	0			0	0			0	0	
	0	0			0	0			0	0	
4	0	0	YES	4	0	0	NO	4	0	0	NO
	1 708	48 601			0	0			0	0	
	0	32 955			0	0			0	0	
	2 576	33 755			21	0			0	0	
		34 628		5	0	0	NO	5	0	0	NO
					0	0			0	0	
					0	0			0	0	
					0	0			0	0	
				6	0	0	NO	6	0	8 000	YES
					0	0			0	20 254	
					0	0			42	5 710	
					0	0			0	18 740	
					0	0			0	0	

B. IUPM calculations

ART#	ATRA	1x10 ⁶ cells/well (48-well plate)		2x10 ⁵ cells/well (96-well plate)		IUPM	95% confidence interval	
		Total wells	Positive wells	Total wells	Positive wells		lower bound	upper bound
1	NO	4	0	6	0	0,133298	*	*
1	YES	4	1	6	0	0,213574	0,029972	1,521894
2	NO	4	3	6	4	2,616424	1,147623	5,965091
2	YES	4	4	6	5	8,969419	3,320795	24,226273
5	NO	3	2	6	0	0,980829	0,231885	4,148714
5	YES	3	3	6	1	1,856759	0,626763	5,500567
7	NO	3	1	8	0	0,245122	0,034358	1,748771
7	YES	4	3	8	0	0,767255	0,240628	2,446435
8	NO	4	0	8	0	0,123776	*	*
8	YES	4	1	8	0	0,196710	0,027621	1,400933
9	NO	4	1	6	0	0,213574	0,029972	1,521894
9	YES	4	0	6	0	0,133298	*	*
12	NO	4	1	6	0	0,213574	0,029972	1,521894
12	YES	4	2	6	1	0,755133	0,239146	2,384426

ART#, ART-treated PLWH; ATRA, *all-trans* retinoic acid; IUPM, infectious units per million;

*, 95% confidence interval below 0,576