

Assay	Starting material	Replicates	Dilutions	Stimulation	Target cells	Culture length (days)	Readout	Readout assay
UCSD [1, 6, 22]	100ml whole blood, $7 - 20 \times 10^6$ rCD4 <sup>+</sup>	6	3 fold: $10^6$ to $1,372$ rCD4 <sup>+</sup>	Plate-bound $\alpha$ CD3/ $\alpha$ CD28	MOLT-4 / CCR5	9 - 16	gag	RT-PCR
U. Pitt. [3]	180ml whole blood, $300 \times 10^6$ PBMC	6 (5 for smallest cell input)	3 fold: $10^6$ to $10^4$ rCD4 <sup>+</sup>	PHA + $\gamma$ -irradiated PBMC	CD8 <sup>-</sup> PBMC	14	p24	Perkin Elmer HIV-1 p24
JHU [2, 3, 11, 13]	$\geq 100$ ml whole blood, $400 \times 10^6$ PBMC	2 of cell inputs $< 10^6$ , 13 - 67 of cell input $10^6$ (determined by available material)	5 fold: $10^6$ to $320$ rCD4 <sup>+</sup>	PHA + $\gamma$ -irradiated PBMC	MOLT-4 / CCR5	21	p24	Perkin Elmer HIV-1 p24
SR	$\geq 100$ ml whole blood, $400 \times 10^6$ PBMC	2 of cell inputs $< 10^6$ , 5 - 22 of cell input $10^6$ (determined by available material)	5 fold: $10^6$ to $320$ rCD4 <sup>+</sup>	PHA + $\gamma$ -irradiated PBMC	CD8 <sup>-</sup> PBMC	8 - 20	p24	Perkin Elmer HIV-1 p24