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- has spread to the US, particularly NYC.
- Like HIV-1, HIV-2 can progress to AIDS.
- result does not exclude HIV-2 infection.
- the host's genome. This DNA could be used as a marker to improve diagnosis and monitor a patient's response to treatment.
- Droplet digital PCR (ddPCR) is a powerful tool used to achieve absolute does not require a standard curve.

Develop a quantitative HIV-2 DNA droplet digital PCR (ddPCR) assay and



	Resu	Its: Blood Ce	Ils Spiked v	with HIV-2 F	Plasmid		
and	Sensitivity for Group A and Group B HIV-2						
	Strain	Expected Cps/90ul	# Positive	# Tested	% Pos		
NA	Grp A (A1958)	500	6	6	100		
		250	6	6	100		
into		125	6	6	100		
	Grp B (310319)	500	6	6	100		
		250	6	7	869		
		125	5	6	839		

Strain	Expected Cps/ 90ul	Rep 1	Rep 2	Rep 3	Ave
	10,000	5390	5060	4950	5133
Grp A	2000	583	627	638	616
	500	209	264	187	220
	10,000	4510	4840	4180	4510
Grp B	2000	814	770	682	755
	500	500	198	143	264

Strain	Expected Cps/ 90ul	Run 1	Run 2	Run 3	Ave
	10,000	6380	5060	4620	5353
Grp A	2000	495	627	528	550
	500	209	429	385	341
	10,000	4510	4290	3740	4180
Grp B	2000	1111	1067	770	983
	500	121	132	198	150