

Method PicoGreen (small group)

Laboratory	Berlex		Canji		UT Croyle		
	Replicate	Result	Replicate	Result	Dil'n	Replicate	DNA ug/mL
	1	4.40E+11	1		1 to 8	1	9.5172
	2	4.31E+11	2		1 to 8	2	9.3279
	3	4.29E+11	3		1 to 8	3	11.817
					1 to 8	4	11.643
					1 to 4	1	8.6964
					1 to 4	2	9.1331
					1 to 4	3	10.887
					1 to 4	4	11.317
Calc'd p/mL		4.33E+11		3.78E+11			
SD		5.76E+09		4.07E+10			
%CV		1.3		10.8			

Method PicoGreen / Single Lab

Laboratory	Cobra - A		Calc'd p/mL		3.08E+11	
Cobra method number M.37.1						
Summary of results						
Sample	ng/ml DNA	ug/ml DNA	P/ml	Average =	1.88E+11	
38U (1:184.1)	45.084	8.300	1.83E+11	SD =	8.16E+09	
38U (1:368.2)	23.966	8.824	1.94E+11	%CV =	4.3	
11s Sample 1 (1:635)	23.638	15.010	3.30E+11	Average =	3.08E+11	
11S Sample 1 (1:1270)	11.016	13.990	3.08E+11	SD =	2.96E+10	
11S Sample 2 (1:635)	23.435	14.881	3.27E+11	%CV =	9.6	
11S Sample 2 (1:1270)	9.52	12.090	2.66E+11			

Method PicoGreen / All Labs

Laboratory	Berlex	Canji	Cobra	UT-Croyle
Calc'd p/mL	4.33E+11	3.78E+11	3.08E+11	2.57E+11
SD	5.76E+09	4.07E+10	2.96E+10	3.13E+10
%CV				

Method RP-HPLC

Laboratory	Berlex	SPRI	Both Labs
	Replicate	Replicate	n=8
	p/mL	p/mL	
	4.48E+11	1	5.130E+11

	4.31E+11	2	5.020E+11	
	4.93E+11	3	5.460E+11	
	4.98E+11	4	5.410E+11	
Calc'd p/mL	4.675E+11		5.255E+11	4.965E+11
SD	3.313E+10		2.136E+10	4.034E+10
%CV	7.1		4.1	8.1

Method AE-HPLC

Laboratory	Canji	Area	Retention T	p/mL	Berlex A	p/mL
	Replicate	uV*sec	(min)		Replicate	
	1	3280199	10.339	6.36E+11	1	6.790E+11
	2	3256911	10.368	6.31E+11	2	6.610E+11
	3	3217405	10.32	6.24E+11	3	6.540E+11
	4	3387478	10.369	6.48E+11	4	6.490E+11
	5	3365792	10.382	6.43E+11	5	6.440E+11
	6	3335805	10.367	6.38E+11	6	6.400E+11
Calc'd p/mL		3.31E+06	1.04E+01	6.37E+11		6.55E+11
SD		6.64E+04	2.32E-02	8.52E+09		1.41E+10
%CV		2.0	0.2	1.3		2.2
Both Labs	n=18	n=3				
Calc'd p/mL	6.11E+11	6.11E+11				
SD	5.19E+10	6.04E+10				
%CV	8.5	9.9				

Method qPCR (Hexon)

Laboratory	Berlex	Canji	UT Croyle
	Replicate	Replicate	Replicate
	p/mL	p/mL	p/mL
	1	1	8.152E+11
	2	2	7.815E+11
	3	3	8.006E+11
	4	4	8.152E+11
	5	5	8.006E+11
Calc'd p/mL	7.844E+11		8.026E+11
SD	4.810E+10		1.388E+10
%CV	6.1		1.7
			#DIV/0!

Method qPCR (E4 region)

Laboratory	Celll Genesys	RFP 8.0: Quantitation of Ad5wt Reference Material Particles by TaqMan Analysis, Assay
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Assay A	Reaction	Mean TaqMan	Dilution Factor	Titer (p/ml)	Mean per reaction (p/ml)	Assay B
	1	2961.28	2.000E+06	1.185E+12		
	1	257.39	2.000E+07	1.030E+12		
	1	24.05	2.000E+08	9.620E+11	1.059E+12	
	2	2455.12	2.000E+06	9.820E+11		
	2	180.54	2.000E+07	7.222E+11		
	2	12.34	2.000E+08	4.936E+11	7.326E+11	
	3	2232.06	2.000E+06	8.928E+11		
	3	212.19	2.000E+07	8.488E+11		
	3	17.04	2.000E+08	6.816E+11	8.077E+11	
Calc'd p/mL					8.663E+11	
SD					1.708E+11	
% CV					19.7	
Assay A	8.663E+11					
Assay B	8.099E+11					
Calc'd p/mL	8.381E+11					
SD	3.988E+10					
% CV	4.8					

Method qPCR (all genes/labs)

Laboratory	Berlex	Canji	Cell Genesys				
	Replicate	p/mL	Replicate	p/mL	Replicate	p/mL	Replicate
	1	7.100E+11	1	8.152E+11	1	8.152E+11	1
	2	7.730E+11	2	7.815E+11	2	7.991E+11	2
	3	7.860E+11	3	8.006E+11	3	8.016E+11	3
	4	8.220E+11	4	8.152E+11			
	5	8.310E+11	5	8.006E+11			
Calc'd p/mL		7.844E+11		8.026E+11		8.053E+11	
SD		4.810E+10		1.388E+10		8.662E+09	
%CV		6.1		1.7		1.1	
All Labs	n=4						
Calc'd p/mL	8.006E+11						
SD	1.119E+10						
%CV	1.4						

Result

2.38E+11
2.33E+11
2.95E+11
2.91E+11
2.17E+11
2.28E+11
2.72E+11
2.83E+11

2.57E+11
3.13E+10
12.2

38U = control

11S = ARM LN 001503

**COMBINED
ALL LABS**

**3.73E+11
6.26E+10
16.8**

Berlex B

Replicate

1	5.630E+11
2	5.480E+11
3	5.410E+11
4	5.370E+11
5	5.340E+11
6	5.300E+11

5.42E+11

1.19E+10

2.2

Reaction	Mean TaqMan	Dilution Factor	Titer (p/ml)	Mean per reaction (p/ml)
1	2212.44	2.000E+06	8.850E+11	
1	218.13	2.000E+07	8.725E+11	
1	13.43	2.000E+08	5.372E+11	7.649E+11
2	2172.97	2.000E+06	8.692E+11	
2	213.40	2.000E+07	8.536E+11	
2	23.13	2.000E+08	9.252E+11	8.827E+11
3	2321.93	2.000E+06	9.288E+11	
3	182.02	2.000E+07	7.281E+11	
3	17.24	2.000E+08	6.896E+11	7.822E+11
				8.099E+11
				6.360E+10
				7.9

p/mL
7.649E+11
8.827E+11
7.822E+11

8.099E+11
6.361E+10
7.9