

Astellas BQT Assay Report

Test Article Report

Approver Signature/Date

Assay Details		
User Information User Name: harding Computer Name: DESKTOP-RFHI5SO Logon Server: \\DESKTOP-RFHI5SO User Domain: DESKTOP-RFHI5SO Astellas BQT Infectivity PLA Script Version 0.1 JMP Version 18.1.0		
Analyst Signature/Date	_	

Astellas BQT Infectivity Files

First Data FileSecond Data File18OCT2024_Plate01_KL-S318OCT2024_Plate01_KL-S4

50% L01-240910_1 & Reference Standard Data

				Accepted	Std						Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Outlier Within Group	Studentized Residuals Between Group
50% L01-240910_1	13	2	1.797e+10	19656.5	359645621.8	2.0013493063	1.6e+1	1.2041199827	10.254551883	3.508 Ok	1.528 Ok
50% L01-240910_1	14	2	1.130e+10	20631	235053015.22	2.0794349286	8e+0	0.903089987	10.053220492	4.319 Outlier	2.970 Ok
50% L01-240910_1	15	2	5.246e+9	20620.5	325698869.5	6.2090657061	4e+0	0.6020599913	9.7197899954	2.437 Ok	1.512 Ok
50% L01-240910_1	16	2	2.863e+9	20059	133535135.16	4.6637199832	2e+0	0.3010299957	9.4568630835	2.669 Ok	1.872 Ok
50% L01-240910_1	17	2	1.555e+10	19717.5	489935793.6	3.1497867731	1.6e+1	1.2041199827	10.191858014	0.233 Ok	-0.139 Ok
50% L01-240910_1	18	2	8.920e+9	19954.5	145520323.79	1.6314329748	8e+0	0.903089987	9.9503544163	0.309 Ok	0.527 Ok
50% L01-240910_1	19	2	4.446e+9	20536.5	22592759.573	0.5081526529	4e+0	0.6020599913	9.6479750835	0.071 Ok	-0.226 Ok
50% L01-240910_1	20	2	2.457e+9	20746.5	3583547.517	0.1458313452	2e+0	0.3010299957	9.3904622856	0.115 Ok	0.061 Ok
50% L01-240910_1	21	2	1.433e+10	18854	691328511.13	4.8227318281	1.6e+1	1.2041199827	10.156391355	1.421 Ok	-1.061 Ok
50% L01-240910_1	22	2	7.986e+9	19410.5	272371628.48	3.410460901	8e+0	0.903089987	9.9023487925	1.261 Ok	-0.586 Ok
50% L01-240910_1	23	2	3.792e+9	19610	17206271.137	0.4537112028	4e+0	0.6020599913	9.5789072595	1.863 Ok	-2.010 Ok
50% L01-240910_1	24	2	2.165e+9	19152	13728570.717	0.6341816577	2e+0	0.3010299957	9.3354116483	1.726 Ok	-1.373 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175 Ok	-0.903 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499 Ok	-0.843 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606 Ok	-0.782 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366 Ok	-0.354 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356 Ok	-0.415 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083 Ok	0.729 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243 Ok	0.211 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157 Ok	-0.548 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985 Outlier	0.923 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823 Ok	1.985 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397 Ok	0.663 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157 Within Analytical Error	0.224 Ok

Within Group Jackknife z Outlier Limit (≥): 4

Between Group Externally Studentized Residuals Outlier Limit (≥): 4

Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

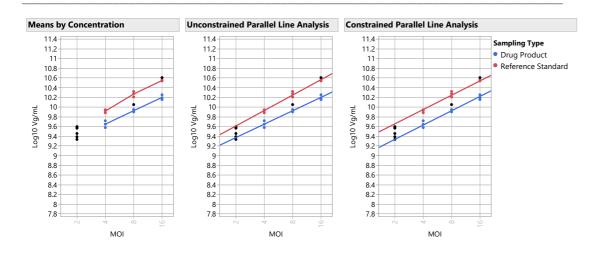
50% L01-240910_1 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
50% L01-240910_1	2e+0	3	2.5e+9	3.51e+8
50% L01-240910_1	4e+0	3	4.49e+9	7.28e+8
50% L01-240910_1	8e+0	2	8.45e+9	6.6e+8
50% L01-240910_1	1.6e+1	3	1.6e+10	1.85e+9

50% L01-240910_1 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.869	3.430	0.979	0.047	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.822	1.105	0.987	0.045	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.769	1.427	0.981	0.046	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.849	0.157	0.986	0.048	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.841	3.152	0.985	0.044	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.835	3.136	0.987	0.050	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.808	2.668	0.988	0.046	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.801	0.704	0.979	0.044	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.783	1.343	0.983	0.045	Parallel and Linear	

50% L01-240910_1 Graphs



50% L01-240910_1 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	Results	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000		31600673338	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.074	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.869	Passed Validity Criteria	
Linearity Ratio		26.3	3.430	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.760	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		5	0.000	Passed Validity Criteria	

50% L01-240910_1 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %		
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance	CI Range % of Tolerance Check	OOS Validity
5.26	11.16	47.1	0	0	47.1	51.7	42.6	150	50	9.1	9.1	Bioassay Results are Reportable	Assay is Valid and OOS
		Rela	ative										
Unconstrained	RI Constrained	RI Infectivity D	Pelta										
47	7.2 4	7.1	0.1										
Infectious	Infectious Parti	cle Infectious P	article										
Particle Ratio	Ratio Lower Lir	nit Ratio Uppe	r Limit										
0.6	(0.3	1.0										

150% L01-240910_1 & Reference Standard Data

				Accepted	Std						Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Outlier Within Group	Studentized Residuals Between Group
150% L01-240910_1	25	2	4.333e+10	19449.5	1415326191.4	3.2663094426	1.6e+1	1.2041199827	10.636799217	2.752 Ok	0.240 Ok
150% L01-240910_1	26	2	2.527e+10	19744	642816777.6	2.5434988531	8e+0	0.903089987	10.402655657	13.343 Within Analytical Error	1.422 Ok
150% L01-240910_1	27	2	1.199e+10	19708.5	370403067.43	3.0902382741	4e+0	0.6020599913	10.078682607	7.469 Within Analytical Error	-0.354 Ok
150% L01-240910_1	28	2	7.037e+9	20511	40166095.497	0.5707730578	2e+0	0.3010299957	9.8473961516	0.935 Ok	1.012 Ok
150% L01-240910_1	29	2	4.278e+10	19064	380998669.04	0.8906886483	1.6e+1	1.2041199827	10.631197541	0.129 Ok	0.049 Ok
150% L01-240910_1	30	2	2.291e+10	19624.5	1437202301	6.2733021375	8e+0	0.903089987	10.360021699	0.565 Ok	0.008 Ok
150% L01-240910_1	31	2	1.109e+10	20716	889172320.19	8.0163895138	4e+0	0.6020599913	10.045007123	1.003 Ok	-1.514 Ok
150% L01-240910_1	32	2	6.959e+9	19792	77086896.492	1.1077457191	2e+0	0.3010299957	9.842540481	0.511 Ok	0.826 Ok
150% L01-240910_1	33	2	4.239e+10	18382	931314530.59	2.1969287211	1.6e+1	1.2041199827	10.627280412	1.685 Ok	-0.085 Ok
150% L01-240910_1	34	2	2.265e+10	19918.5	228694495.38	1.0098965802	8e+0	0.903089987	10.35497881	0.865 Ok	-0.150 Ok
150% L01-240910_1	35	2	1.125e+10	20499	114153032.32	1.0149997396	4e+0	0.6020599913	10.051021522	0.463 Ok	-1.289 Ok
150% L01-240910_1	36	2	6.474e+9	19781.5	69066883.248	1.0668379646	2e+0	0.3010299957	9.8111713961	9.472 Outlier	-0.317 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175 Ok	-1.266 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499 Ok	-1.178 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606 Ok	-1.090 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366 Ok	-0.488 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356 Ok	-0.572 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083 Ok	1.014 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243 Ok	0.290 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157 Ok	-0.757 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985 Outlier	1.267 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823 Ok	3.053 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397 Ok	0.921 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157 Within Analytical Error	0.308 Ok

Within Group Jackknife z Outlier Limit (≥): 4

Between Group Externally Studentized Residuals Outlier Limit (≥): 4

Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

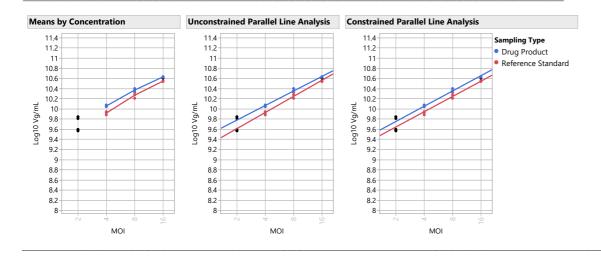
150% L01-240910_1 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
150% L01-240910_1	2e+0	2	7e+9	5.53e+7
150% L01-240910_1	4e+0	3	1.1e+10	4.78e+8
150% L01-240910_1	8e+0	3	2.4e+10	1.45e+9
150% L01-240910_1	1.6e+1	3	4.3e+10	4.72e+8

150% L01-240910_1 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.903	5.183	0.987	0.034	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.823	0.482	0.992	0.033	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.776	4.452	0.987	0.035	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.874	3.985	0.993	0.032	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.850	0.942	0.988	0.035	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.842	1.866	0.980	0.038	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.832	2.539	0.994	0.030	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.816	1.216	0.989	0.036	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.783	2.392	0.993	0.032	Parallel and Linear	

150% L01-240910_1 Graphs



150% L01-240910_1 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	Results	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is Vali
Reference Standard Curve Depth	2720000000		31600673338	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.246	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.903	Passed Validity Criteria	
Linearity Ratio		26.3	5.183	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.760	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		5	0.000	Passed Validity Criteria	

150% L01-240910_1 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %		
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance	CI Range % of Tolerance Check	OOS Validity
8.77	6.83	128.4	0	0	128.4	136.4	121.1	150	50	15.2	15.2	Bioassay Results are Reportable	Assay is Valid and Within Lin
		Rela	ative										
Unconstrained	RI Constrained	RI Infectivity D	elta										
128	3.2 128	.4	0.2										
Infectious	Infectious Partic	le Infectious P	article										
Particle Ratio	Ratio Lower Lin	nit Ratio Uppe	r Limit										
1.7	C	.3	1.0										

200% L01-240910 & Reference Standard Data

				Accepted	Std							Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z C	Outlier Within Group	Studentized Residuals Between Group
200% L01-240910	37	2	5.233e+10	18878	3273703267.4	6.2557892386	1.6e+1	1.2041199827	10.718757203	1.072 C	Ok	0.475 Ok
200% L01-240910	38	2	3.009e+10	18845.5	740491509.11	2.4607466152	8e+0	0.903089987	10.478453187	4.857 C	Outlier	1.614 Ok
200% L01-240910	39	2	1.408e+10	20251	818244555.34	5.809870213	4e+0	0.6020599913	10.148716693	1.385 C	Ok	-0.185 Ok
200% L01-240910	40	2	1.053e+10	20253.5	125817445.28	1.1943429664	2e+0	0.3010299957	10.022611806	50.409 C	Outlier	5.402 Outlier
200% L01-240910	41	2	5.709e+10	18423.5	293737605.16	0.5145218197	1.6e+1	1.2041199827	10.756555753	6.187 C	Outlier	1.940 Ok
200% L01-240910	42	2	2.693e+10	20411.5	185825277.73	0.6899810404	8e+0	0.903089987	10.430267633	0.348 C	Ok	0.000 Ok
200% L01-240910	43	2	1.372e+10	20586.5	612192672.69	4.4622681989	4e+0	0.6020599913	10.137332458	0.249 C	Ok	-0.557 Ok
200% L01-240910	44	2	8.036e+9	19101.5	405078446.6	5.0406160629	2e+0	0.3010299957	9.9050555168	0.668 C	Ok	0.991 Ok
200% L01-240910	45	2	5.331e+10	19763	1654979461.6	3.1046232995	1.6e+1	1.2041199827	10.726783696	0.417 C	Ok	0.786 Ok
200% L01-240910	46	2	2.585e+10	20229.5	2807020.1741	0.0108568237	8e+0	0.903089987	10.412542748	1.189 C	Ok	-0.581 Ok
200% L01-240910	47	2	1.296e+10	19746.5	194907960.04	1.5039726731	4e+0	0.6020599913	10.112589631	3.656 C	Ok	-1.439 Ok
200% L01-240910	48	2	7.965e+9	19460	83629922.415	1.0499404243	2e+0	0.3010299957	9.9011970368	0.747 C	Ok	0.839 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175 C	Ok	-1.290 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499 C	Ok	-1.199 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606 C	Ok	-1.108 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366 C	Ok	-0.494 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356 C	Ok	-0.579 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083 C	Ok	1.031 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243 C	Ok	0.293 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157 C	Ok	-0.768 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985 C	Outlier	1.286 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823 C	Ok	3.231 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397 C	Ok	0.935 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157 V	Within Analytical Error	0.312 Ok

Within Group Jackknife z Outlier Limit (≥): 4

Between Group Externally Studentized Residuals Outlier Limit (≥): 4

Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

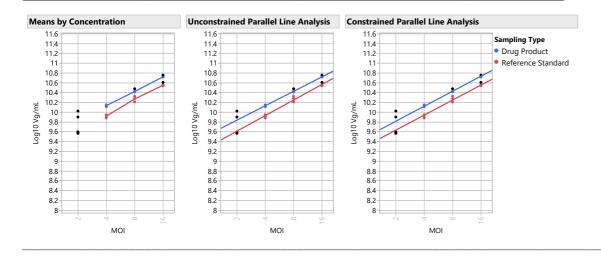
200% L01-240910 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
200% L01-240910	2e+0	3	8.85e+9	1.46e+9
200% L01-240910	4e+0	3	1.4e+10	5.74e+8
200% L01-240910	8e+0	2	2.6e+10	7.62e+8
200% L01-240910	1.6e+1	2	5.3e+10	6.9e+8

200% L01-240910 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.927	2.841	0.989	0.033	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.841	0.139	0.993	0.032	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.752	2.796	0.990	0.031	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.898	2.847	0.994	0.031	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.868	2.334	0.988	0.034	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.854	1.479	0.995	0.029	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.816	1.169	0.983	0.035	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.800	3.955	0.994	0.031	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.790	2.129	0.991	0.032	Parallel and Linear	

200% L01-240910 Graphs



200% L01-240910 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	Results	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000		31600673338	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.242	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.927	Passed Validity Criteria	
Linearity Ratio		26.3	2.841	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.760	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		5	0.000	Passed Validity Criteria	

200% L01-240910 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %		
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance	CI Range % of Tolerance Check	OOS Validity
8.83	5.86	150.7	0	0	150.7	160.9	141.5	150	50	19.4	19.4	Bioassay Results are Reportable	Assay is Valid and
		Rela											
Unconstrained	RI Constrained R	I Infectivity D	elta										
150	0.9 150.	7	0.2										
Infectious	Infectious Particle	e Infectious Pa	article										
Particle Ratio	Ratio Lower Limi	t Ratio Upper	Limit										
2.0	0	3	1.0										

100% L01-240910 & Reference Standard Data

				Accepted	Std						Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Outlier Within Group	Studentized Residuals Between Group
100% L01-240910	49	2	3.584e+10	18158.5	513669225.3	1.4330867287	1.6e+1	1.2041199827	10.554411073	1.078 Ok	-0.941 Ok
100% L01-240910	50	2	1.644e+10	18226.5	20350893.08	0.1237600509	8e+0	0.903089987	10.216002993	2.888 Ok	-0.964 Ok
100% L01-240910	51	2	7.608e+9	19725	256471113.81	3.3709586709	4e+0	0.6020599913	9.8812850299	2.601 Ok	-0.965 Ok
100% L01-240910	52	2	3.716e+9	17735.5	289685040.08	7.7950422058	2e+0	0.3010299957	9.570107597	0.049 Ok	-0.287 Ok
100% L01-240910	53	2	3.690e+10	19450	1728233892.7	4.6832199996	1.6e+1	1.2041199827	10.567057958	0.413 Ok	-0.500 Ok
100% L01-240910	54	2	1.888e+10	18863.5	258789690.42	1.3710651781	8e+0	0.903089987	10.27588887	0.151 Ok	0.854 Ok
100% L01-240910	55	2	8.320e+9	18746	56525600.254	0.6793927511	4e+0	0.6020599913	9.9201242741	0.102 Ok	0.198 Ok
100% L01-240910	56	2	3.593e+9	12685.5			2e+0	0.3010299957	9.5554301725	1.940 Ok	-0.766 Ok
100% L01-240910	57	2	4.094e+10	18744	1870104954.7	4.5675232426	1.6e+1	1.2041199827	10.612185215	6.103 Outlier	1.034 Ok
100% L01-240910	58	2	2.045e+10	20813.5	573367617.57	2.8035032798	8e+0	0.903089987	10.310732093	1.624 Ok	2.097 Ok
100% L01-240910	59	2	8.852e+9	19702.5	137595150.53	1.5544659683	4e+0	0.6020599913	9.9470219092	1.763 Ok	1.014 Ok
100% L01-240910	60	2	3.858e+9	19416	144262472.04	3.7393203403	2e+0	0.3010299957	9.586360698	2.330 Ok	0.232 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175 Ok	-1.175 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499 Ok	-1.094 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606 Ok	-1.013 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366 Ok	-0.455 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356 Ok	-0.533 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083 Ok	0.944 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243 Ok	0.270 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157 Ok	-0.706 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985 Outlier	1.183 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823 Ok	2.755 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397 Ok	0.857 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157 Within Analytical Error	0.288 Ok

Within Group Jackknife z Outlier Limit (≥): 4 Between Group Externally Studentized Residuals Outlier Limit (≥): 4

Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

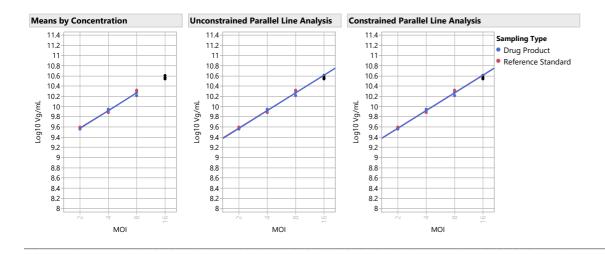
100% L01-240910 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
100% L01-240910	2e+0	3	3.72e+9	1.33e+8
100% L01-240910	4e+0	3	8.26e+9	6.24e+8
100% L01-240910	8e+0	3	1.9e+10	2.02e+9
100% L01-240910	1.6e+1	2	3.6e+10	7.49e+8

100% L01-240910 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 3, High Standard and Test Doses Excluded	1.011	0.658	0.989	0.034	Parallel and Linear	Model 3, High Standard and Test Doses Excluded
Model 1, All Doses	1.019	3.047	0.992	0.035	Parallel and Linear	
Model 2, Low Standard and Test Doses Excluded	1.021	4.978	0.981	0.040	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.989	3.757	0.990	0.037	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.970	2.144	0.991	0.034	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	1.052	3.664	0.990	0.037	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.941	2.400	0.989	0.037	Parallel and Linear	
Model 7, Test High Dose Only Excluded	1.062	2.580	0.991	0.035	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	1.097	3.519	0.989	0.038	Parallel and Linear	

100% L01-240910 Graphs



100% L01-240910 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	Results	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is Vali
Reference Standard Curve Depth	2720000000		31600673338	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.000	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	1.011	Passed Validity Criteria	
Linearity Ratio		26.3	0.658	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.760	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		5	0.000	Passed Validity Criteria	

100% L01-240910 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %	
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance CI Range % of Tolerance Check	OOS Validity
3.98	4.02	99.0	0	0	99.0	103.8	94.4	150	50	9.3	9.3 Bioassay Results are Reportable	Assay is Valid and Within
		Rela										
Unconstrained	RI Constrained	RI Infectivity D	elta									
99	0.0	9.0	0.0									
Infectious	Infectious Partic	cle Infectious P	article									
Particle Ratio	Ratio Lower Lin	nit Ratio Uppe	r Limit									
1.3	(0.3	1.0									

50% L01-240910_2 & Reference Standard Data

				Accepted	Std						Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Outlier Within Group	Studentized Residuals Between Group
50% L01-240910_2	61	2	1.807e+10	18507	67065519.327	0.371135865	1.6e+1	1.2041199827	10.256966367	3.436 Ok	0.865 Ok
50% L01-240910_2	62	2	1.102e+10	19613.5	190120617.32	1.7258574881	8e+0	0.903089987	10.042024285	2.575 Ok	2.435 Ok
50% L01-240910_2	63	2	5.159e+9	19546	199264473.2	3.8622715539	4e+0	0.6020599913	9.7125870699	2.102 Ok	1.087 Ok
50% L01-240910_2	64	2	2.761e+9	19386.5	142914635.79	5.1765314071	2e+0	0.3010299957	9.4410378536	2.485 Ok	1.368 Ok
50% L01-240910_2	65	2	1.586e+10	19528	426059891.54	2.6857978728	1.6e+1	1.2041199827	10.200397327	0.224 Ok	-0.434 Ok
50% L01-240910_2	66	2	9.172e+9	19640	381089296.09	4.1548290727	8e+0	0.903089987	9.9624735888	0.098 Ok	0.455 Ok
50% L01-240910_2	67	2	4.472e+9	20154	205743731.17	4.6005207441	4e+0	0.6020599913	9.6505196182	0.005 Ok	-0.242 Ok
50% L01-240910_2	68	2	2.420e+9	19772	116728454.59	4.8244854223	2e+0	0.3010299957	9.3837257373	0.080 Ok	0.007 Ok
50% L01-240910_2	69	2	1.472e+10	19282.5	392975759.31	2.6697350163	1.6e+1	1.2041199827	10.167897604	1.440 Ok	-1.213 Ok
50% L01-240910_2	70	2	7.776e+9	19753.5	311276312.65	4.0030128902	8e+0	0.903089987	9.8907590846	1.778 Ok	-1.077 Ok
50% L01-240910_2	71	2	3.776e+9	19467	89472972.022	2.3697464095	4e+0	0.6020599913	9.5769899896	2.141 Ok	-1.955 Ok
50% L01-240910_2	72	2	2.148e+9	19516	136835293.16	6.3705683843	2e+0	0.3010299957	9.332019945	1.832 Ok	-1.208 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175 Ok	-0.821 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499 Ok	-0.767 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606 Ok	-0.711 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366 Ok	-0.323 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356 Ok	-0.379 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083 Ok	0.664 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243 Ok	0.193 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157 Ok	-0.499 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985 Outlier	0.842 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823 Ok	1.770 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397 Ok	0.604 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157 Within Analytical Error	0.205 Ok

Within Group Jackknife z Outlier Limit (≥): 4
Between Group Externally Studentized Residuals Outlier Limit (≥): 4

Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

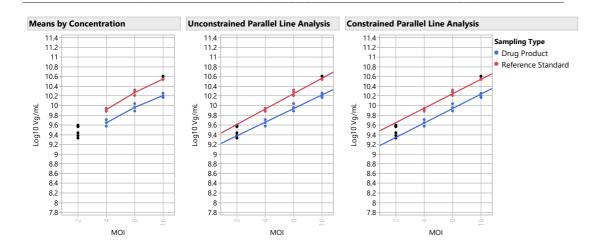
50% L01-240910_2 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
50% L01-240910_2	2e+0	3	2.44e+9	3.07e+8
50% L01-240910_2	4e+0	3	4.47e+9	6.92e+8
50% L01-240910_2	8e+0	3	9.32e+9	1.63e+9
50% L01-240910 2	1.6e+1	3	1.6e+10	1.7e+9

50% L01-240910_2 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.884	6.084	0.971	0.054	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.849	2.251	0.984	0.049	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.840	2.744	0.976	0.052	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.912	0.584	0.983	0.055	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.883	1.844	0.984	0.050	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.877	2.164	0.982	0.053	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.856	4.405	0.979	0.050	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.815	3.758	0.970	0.051	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.808	0.704	0.979	0.050	Parallel and Linear	

50% L01-240910_2 Graphs



50% L01-240910_2 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	Results	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000		31600673338	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.191	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.884	Passed Validity Criteria	
Linearity Ratio		26.3	6.084	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.760	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		5	0.000	Passed Validity Criteria	

50% L01-240910_2 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %	
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance CI Range % of Tolerance Chec	k OOS Validity
5.27	10.73	49.1	0	0	49.1	54.0	44.3	150	50	9.7	9.7 Bioassay Results are Reportab	le Assay is Valid and OOS
		Rela	ative									
Unconstrained	RI Constrained I	RI Infectivity D	Pelta									
49	9.3 49	1	0.2									
Infectious	Infectious Partic	e Infectious P	article									
Particle Ratio	Ratio Lower Lim	it Ratio Uppe	r Limit									
0.7	0	3	1.0									

150% L01-240910_2 & Reference Standard Data

				Accepted	Std						Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Outlier Within Group	Studentized Residuals Between Group
150% L01-240910_2	73	2	4.346e+10	20242.5	164290989.13	0.3780442877	1.6e+1	1.2041199827	10.638071064	0.720 Ok	0.291 Ok
150% L01-240910_2	74	2	2.554e+10	19859.5	172756060.68	0.6764341882	8e+0	0.903089987	10.407207743	18.374 Outlier	1.586 Ok
150% L01-240910_2	75	2	1.238e+10	20354	532896929.11	4.304486152	4e+0	0.6020599913	10.092721903	8.443 Outlier	0.031 Ok
150% L01-240910_2	76	2	6.956e+9	20033.5	95618993.904	1.3746652481	2e+0	0.3010299957	9.8423472161	0.242 Ok	0.722 Ok
150% L01-240910_2	77	2	4.315e+10	20507.5	567354794.46	1.3147474299	1.6e+1	1.2041199827	10.635012399	161.86 Within Analytical Error	0.180 Ok
150% L01-240910_2	78	2	2.312e+10	20364	1420489654.8	6.1439823415	8e+0	0.903089987	10.363988116	0.602 Ok	0.102 Ok
150% L01-240910_2	79	2	1.135e+10	21188.5	621413242.94	5.4769542447	4e+0	0.6020599913	10.054841391	0.966 Ok	-1.293 Ok
150% L01-240910_2	80	2	7.162e+9	19824.5	294757875.4	4.1154812625	2e+0	0.3010299957	9.8550447888	1.400 Ok	1.224 Ok
150% L01-240910_2	81	2	4.346e+10	19857	175599334.22	0.4040901983	1.6e+1	1.2041199827	10.638044549	0.695 Ok	0.290 Ok
150% L01-240910_2	82	2	2.293e+10	20353	694780318.29	3.0304863146	8e+0	0.903089987	10.36033518	0.820 Ok	-0.020 Ok
150% L01-240910_2	83	2	1.151e+10	19997.5	194500111.81	1.690454602	4e+0	0.6020599913	10.060916343	0.489 Ok	-1.064 Ok
150% L01-240910_2	84	2	6.534e+9	19613	156104914.68	2.3889408814	2e+0	0.3010299957	9.8152111738	3.594 Ok	-0.272 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175 Ok	-1.342 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499 Ok	-1.248 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606 Ok	-1.153 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366 Ok	-0.513 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356 Ok	-0.602 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083 Ok	1.072 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243 Ok	0.305 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157 Ok	-0.799 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985 Outlier	1.334 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823 Ok	3.375 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397 Ok	0.972 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157 Within Analytical Error	0.324 Ok

Within Group Jackknife z Outlier Limit (≥): 4

Between Group Externally Studentized Residuals Outlier Limit (≥): 4

Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

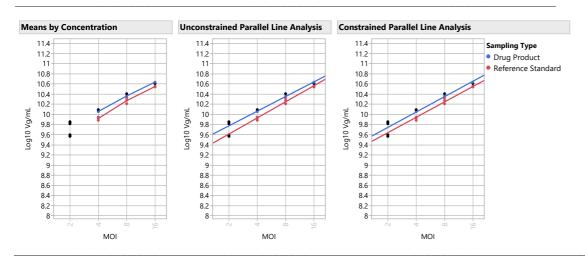
150% L01-240910_2 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
150% L01-240910_2	2e+0	3	6.88e+9	3.2e+8
150% L01-240910_2	4e+0	2	1.1e+10	1.13e+8
150% L01-240910_2	8e+0	2	2.3e+10	1.37e+8
150% L01-240910_2	1.6e+1	3	4.3e+10	1.75e+8

150% L01-240910_2 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.909	4.414	0.989	0.032	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.820	0.283	0.994	0.031	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.754	3.494	0.989	0.032	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.880	3.484	0.994	0.030	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.847	1.444	0.990	0.033	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.837	0.583	0.995	0.028	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.818	0.569	0.985	0.036	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.792	1.988	0.991	0.034	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.781	3.014	0.994	0.029	Parallel and Linear	

150% L01-240910_2 Graphs



150% L01-240910_2 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	,	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000		31600673338	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.299	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.909	Passed Validity Criteria	
Linearity Ratio		26.3	4.414	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.760	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		5	0.000	Passed Validity Criteria	

150% L01-240910_2 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance CI Range % of Tolerance Check OOS Validity
8.94	7.05	126.7	0	0	126.7	135.5	118.9	150	50	16.6	16.6 Bioassay Results are Reportable Assay is Valid and Within Lim
		Rela	itive								
nconstrained	RI Constrained F	RI Infectivity D	elta								
		_									
127	.0 126.	1	0.3								
127	.0 126.	7	0.3								
	.0 126. Infectious Particl										
Infectious		e Infectious P	article								

Relative Infectivity All Samples

			Infectious			
Sample Name	EC50 Standard	EC50 Test	Ratio	Reportable RI	RI Lower 95	RI Upper 95
50% L01-240910_1	5.2600554481	11.157346029	0.6	47.1	42.6	51.7
150% L01-240910_1	8.7673145259	6.8278698132	1.7	128.4	121.1	136.4
200% L01-240910	8.8323386383	5.8607726426	2.0	150.7	141.5	160.9
100% L01-240910	3.9797170781	4.0203862953	1.3	99.0	94.4	103.8
50% L01-240910_2	5.2698045757	10.734794737	0.7	49.1	44.3	54.0
150% L01-240910_2	8.9351490447	7.0504906686	1.7	126.7	118.9	135.5

	Overall		
Sample Name	Validity	OOS	Reportable
50% L01-240910_1	Assay is Valid	oos	Reportable
150% L01-240910_1	Assay is Valid	Within Limits	Reportable
200% L01-240910	Assay is Valid	oos	Reportable
100% L01-240910	Assay is Valid	Within Limits	Reportable
50% L01-240910_2	Assay is Valid	oos	Reportable
150% L01-240910 2	Assav is Valid	Within Limits	Reportable

Astellas BQT Infectivity Bioassay Materials and Reference Standard Report

Assay Details

		Date Assay		Bioassay	Analyst				Instrument	Bioassay preparation	Bioassay review
Assay	Site:	Initiated:	Purpose:	Run Number	Name:	Signal	Method	Instrument ID	internal no.	(date_operator)	(date_reviewer)
Astellas BQT Infectivity			PLA	BQT Test Run 1		Vg/mL	KT430				

Notes Assay Range Check

Materials

Reagents	Material	Source	Catalog#	Lot#	Expiration Date
1					
2					
3					
4					
5					
6					
7					
8					

Reference Details

	Reference			Expiry/	RS Correction	RS Stability
Reference/Control	Standard (RS)	Description	Lot#	Reevalution	Factor	Correction Factor
1	Ref.Std	Test	Test	Test	0	0

Input Files - Configuration File and Plate File(s)

		Location of Sample									
System Suitability and Limits	Limit Colun	nn 3 on Extracted DNA plate Col	umn 5 1	2	3	4	. 5	6	7	8	g
Lower Specification Limit (≥)	50.00	A	1								33
Upper Specification Limit (≤)	150.00	В	2								34
Reference Standard Curve Depth (≥)	2720000000.00	C	3	7							35
Unconstrained EC50 Standard Lower Limit (≥)	0.04	D	4								36
Unconstrained EC50 Standard Upper Limit (≤)	61.80	E	49	53							81
% Relative Infectivity Delta (Constrained – Unconstrained) (≤)	15.00	F	50	54							82
Within Group Jackknife z Outlier Limit (<)	4.00	G	51	55							83
Between Group Studentized Residuals Outlier Limit (<)	4.00	Н	52	56							84
Parallelism Slope Ratio Lower Limit (≥)	0.70		52	30	00	0-1	00	,,,	70	00	0-
Parallelism Slope Ratio Upper Limit (≤)	1.40										
Linearity Ratio (≤)	26.30	ddPCR Map - Plate 1	1		3	4	5	. 6	. 7	. 8	g
·	0.05	A	3000	3000						-	3000
Dose Reponse Test (≤)	10.00	В	3000	3000							3000
fixed position for ec50	4.74	С									
ec50 reference concentration target		D	3000	3000							3000
fixed position for Test article for Infectious Particles Ratio Equation	10.00	E	3000	3000							3000
Infectious Particles Ratio Lower Specification Limit (≥)	0.30	E F	3000	3000							3000
Infectious Particles Ratio Upper Specification Limit (≤)	1.00		3000	3000							3000
Failed Accepted Droplets Upper Limit (≤)	5.00	G	3000	3000							3000
		H	3000	3000	3000	3000	3000	3000	3000	3000	3000
Report File Name											
Ref.Std (1-12)		ddPCR Map - Plate 2	1	2							9
Control (13-24)		A	6000	6000							6000
Sample 1 (25-36)		В	6000	6000							6000
Sample 2 (37-48)		C	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 3 (49-60)		D	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 4 (61-72)		E	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 5 (73-84)		F	6000	6000	6000	6000	6000	6000	6000	6000	6000
		G	6000	6000	6000	6000	6000	6000	6000	6000	6000
Total Number of Plates	2.00	Н	6000	6000	6000	6000	6000	6000	6000	6000	6000
MOI Concentrations											
16											
8											
4											
2											
					·						

Well	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Tarnet	Conc(copies/	Status	Experiment	SampleType	TargetTyne	Supermix	DyeName(s)	Accepted Droplets	Positives	Negative
D04		50	REP1	description 4		184.5901031		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20749	3013	1773
C04	4	50	REP1			334.3489075		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21194	5243	1595
B04	8	50	REP1			742.4992676		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20895	9779	1111
A04		50	REP1			1214.964355		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19835	12773	706
H04 G04		50.2	REP1			177.3175049		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18962 20116	2653	1630 1513
G04 F04	8	50.2 50.2	REP1			334.5569763 743.3629761		DQ	Unknown	Unknown Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19571	4979 9167	1040
	16	50.2	REP1			1207.850952		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18099	11616	648
H01		100.2	REP1		BDNF	234.0956421		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18400	3320	1508
G01		100.2	REP1			495.1268005		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21015	7219	1379
F01	8	100.2	REP1		BDNF	1095.296021	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19345	11720	762
E01	16	100.2	REP1		BDNF	2365.355713	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18004	15593	241
D07		150	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20209	6624	1358
	4	150	REP1		BDNF	781.6210327		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19118	9280	983
B07		150	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19667	14848	481
A07 H07	2	150 150.2	REP1		BDNF	2955.455811 459.212616	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19804 19640	18198 6347	160 1329
G07		150.2	REP1			800.2147217		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20921	10324	1059
F07	8	150.2	REP1			1710.758911		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19375	14849	452
E07	16	150.2	REP1		BDNF	2889.464111		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20729	18951	177
D10		200	REP1		BDNF	708.2276611		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20076	9080	1099
C10	4	200	REP1		BDNF	977.4855957		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20357	11488	886
B10	8	200	REP1		BDNF	2041.050293	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18286	15060	322
A10		200	REP1		BDNF		OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18450	17616	83
	2	RS	REP1		BDNF	246.2785187		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20320	3838	1648
C01		RS	REP1		BDNF	499.5166321		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20800	7196	1360
B01	16	RS	REP1		BDNF	1059.626343		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19198	11398	780
A01 D05		RS 50	REP1 REP2		BDNF BDNF	2283.812012 163.9904785		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20296 20805	17383 2707	291 1809
C05		50	REP2		BDNF	295.3388062		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21184	4703	1648
B05	8	50	REP2		BDNF	601.5122681		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19579	7837	1174
A05		50	REP2		BDNF	1060.067139		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19902	11819	808
H05	2	50.2	REP2		BDNF	166.8026733	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19472	2574	1689
G05	4	50.2	REP2		BDNF	307.8444214	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19376	4461	1491
F05	8	50.2	REP2		BDNF	629.4448242	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19293	7994	1129
E05		50.2	REP2		BDNF	1077.647217		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18922	11351	757
H02		100.2	REP2		BDNF	239.5184174		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19435	3580	1585
G02		100.2	REP2			557.3325195		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19344	7299	1204
	16	100.2	REP2 REP2		BDNF	1246.139404		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18666 19275	12194	647 222
D08		150	REP2		BDNF	2541.648682 467.5604553		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19275	17053 6420	1315
C08		150	REP2		BDNF	697.5460205		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20687	9253	1143
B08		150	REP2		BDNF	1459.571045		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19260	13690	557
A08		150	REP2		BDNF	2833.755615		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18903	17203	170
H08	2	150.2	REP2		BDNF	463.5831604	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19025	6196	1282
G08	4	150.2	REP2		BDNF	727.1038818		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21256	9799	1145
	8	150.2	REP2			1474.371826		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20971	14982	598
	16	150.2	REP2		BDNF	2850.130615		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20645	18814	183
D11		200	REP2		BDNF	516.6569824		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18381	6533	1184 949
C11 B11	8	200	REP2 REP2			885.7620239 1786.702759		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20155 20119	10662 15713	440
A11		200	REP2			3792.115479		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17904	17191	71
D02		RS	REP2			246.8267822		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19862	3759	1610
C02		RS	REP2			567.1739502		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18334	7013	1132
B02		RS	REP2			1274.391724		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19099	12634	646
A02	16	RS	REP2		BDNF	2515.170166	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19321	17043	227
D06		50	REP3			143.6707916		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18572	2135	1643
C06		50	REP3			253.6337738		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18692	3625	1506
B06		50	REP3			545.2636108		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19234	7134	1210
A06		50	REP3			988.2422485 136.7447968		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18765	10664	810
H06 G06		50.2 50.2	REP3		BDNF	247.4911957		DQ DQ	Unknown	Unknown Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18454 18296	2025 3471	1642 1482
F06		50.2	REP3			533.0770874		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19094	6957	1213
E06		50.2	REP3			999.8353271		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18628	10665	796
H03		100.2	REP3			250.3984985		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19743	3785	1595
G03		100.2	REP3			583.6205444		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19272	7537	1173
	8	100.2	REP3			1390.483887		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21070	14608	646
E03	16	100.2	REP3		BDNF	2817.72583	ОК	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18713	17007	170
D09		150	REP3			434.8545532		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18540	5729	1281
C09		150	REP3			744.3925781		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20618	9667	1095
B09	16	150	REP3			1498.908447		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19636	14144	549
A09		150	REP3			2870.013184		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		16903	15429	147
H09		150.2	REP3			428.2732849 757.883667		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18592 19237	5673	1291 1010
G09 F09	8	150.2 150.2	REP3			1495.671997	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		21265	9136 15301	1010 596
E09		150.2	REP3		BDNF		OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19295	17639	165
D12		200	REP3		BDNF	527.0714111		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18582	6710	1187
C12		200	REP3			854.7813721		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19991	10324	966
B12		200	REP3			1723.79187	ОК	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20634	15867	476
A12	16	200	REP3		BDNF	3631.812012	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19699	18800	89
D03	2	RS	REP3		BDNF	270.7347107	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21059	4329	1673
C03	Δ	RS	REP3		BDNF	583.8165283	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20742	8114	1262

10	11	12	Column 18	Column 19
37	41	45	column 10	Coldiniii
38	42	46		
39	43	47		
40	44	48		
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10	11	12		
3000	3000	3000		
3000	3000	3000		
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10	11	12		
6000 6000	6000 6000	6000 6000		
6000	6000	6000		
6000	6000	6000		

BQT Infectivity_19Nov2024-13-49-59

Mall	Sample description 1	Sample description 2	Sample	Sample	Target	Conc(copies/	Ctatus	Evporiment	SampleType	TargetType	Supermix DyeName(s)	Accepted Droplets	Positives	Negatives
03	8	RS	REP3	description 4	-	1423.709229		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21479	15075	6404
	16	RS	REP3				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19714	17951	1763
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	19126	0	19126
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20944	0	20944
	NTC					No Call	CHECK	-	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	18778	12140	18778
10	PC PC				BDNF	1280.408691 1218.153198		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM ddPCR Supermix for Probes (no dUTP) FAM	18318 19227	12149 12400	6169 6827
	PC					1202.61377		DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	17535	11226	6309
	Sample	Sample	Sample	Sample		Conc(copies/						Accepted		
Vell		description 2			Target		Status	Experiment	SampleType	TargetType	Supermix DyeName(s)	Droplets	Positives	Negatives
001	2	RS	REP1		BDNF	127.5908127	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19041	1957	17084
201		RS	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18807	3738	15069
301		RS	REP1			551.6500854		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19425	7271	12154
A01 D10		RS 200	REP1			1169.609009 348.1827393		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	16931 20431	10666 5234	6265 15197
210		200	REP1			450.1703796		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20145	6405	13740
310		200	REP1				ОК	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19405	11009	8396
A10		200	REP1			1667.197388		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19306	14626	4680
107		150.2	REP1			234.1138306		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20427	3686	16741
G07 F07	8	150.2 150.2	REP1			425.228363 847.2356567	OK	DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19787 20344	6002 10443	13785 9901
E07		150.2	REP1			1452.476807		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19756	14008	5748
007		150	REP1			235.5180359		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20813	3776	17037
C07		150	REP1			408.2714844		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20299	5952	14347
B07		150	REP1			857.5824585		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19821	10259	9562
407 401	16	150	REP1			1411.008789 130.7037048		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19095 17071	13340 1795	5755 15276
G01		100.2	REP1			259.6535645		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18435	3651	14784
-01		100.2	REP1			548.6073608		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	17108	6376	10732
	16	100.2	REP1			1206.892456		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18313	11748	6565
104		50.2	REP1		BDNF	95.39581299		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19811	1543	18268
G04 F04		50.2 50.2	REP1			176.6719055 362.7191162		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	18976 19656	2646 5215	16330 14441
	16	50.2	REP1			600.7639771		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18915	7564	11351
D04		50	REP1			98.58995819		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19369	1557	17812
C04		50	REP1			182.5280457		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20047	2881	17166
B04		50	REP1			382.3301392		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20367	5651	14716
A04 D02		50 RS	REP1 REP2			590.5283203 122.939415	OK	DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19478 17909	7687 1777	11791 16132
C02		RS	REP2			279.7557678		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19392	4104	15288
302		RS	REP2			623.8641357		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18906	7781	11125
402		RS	REP2			1152.047852		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19079	11913	7166
011		200	REP2			277.4240723		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19822	4164	15658
C11 311		200	REP2 REP2			471.7400513 902.1112671		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	21018 20704	6943 11087	14075 9617
A11		200	REP2			1909.904663		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18943	15207	3736
H08		150.2	REP2			245.6865997		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20624	3887	16737
G08		150.2	REP2		BDNF	392.8456421	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21121	5996	15125
	8	150.2	REP2			804.1484375		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19757	9783	9974
E08	2	150.2 150	REP2 REP2			1451.810669 230.1463165		DQ DQ	Unknown	Unknown Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20370 20008	14440 3555	5930 16453
208	-	150	REP2			390.6889954		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20745	5862	14883
B08		150	REP2			797.5358887		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19989	9841	10148
80A		150	REP2			1434.838257		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19225	13547	5678
H02		100.2	REP2			No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	5936	0	5936
G02 F02		100.2	REP2 REP2			276.0016174 635.269165	OK	DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	18148 19061	3795 7953	14353 11108
E02		100.2	REP2			1189.354614		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19625	12484	7141
105	2	50.2	REP2		BDNF	77.89870453	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20072	1286	18786
G05		50.2	REP2			144.2233582		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20932	2415	18517
-05		50.2	REP2			296.7576904		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19987	4456	15531
E05 D05		50.2	REP2 REP2			518.7389526 81.8263092	OK	DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20134 20688	7179 1390	12955 19298
205		50	REP2				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19889	2362	17527
305	8	50	REP2			293.8962402	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20330	4494	15836
	16	50	REP2			506.9377747		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19533	6838	12695
D03		RS RS	REP3			129.1370239		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19739 19390	2052 4329	17687 15061
B03		RS	REP3			297.2339478 690.9505005		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19390	4329 8534	10679
	16	RS	REP3			1286.221191		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18170	12081	6089
D12	2	200	REP3		BDNF	267.4780579	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20338	4136	16202
12		200	REP3			436.5787354		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19502	6046	13456
312 412	16	200	REP3			861.7636108 1737.889526		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19825 19827	10295 15301	9530 4526
109		150.2	REP3			221.4954987		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20634	3541	17093
G09		150.2	REP3			388.1106567		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20758	5833	14925
-09		150.2	REP3			780.5882568		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19441	9428	10013
	16	150.2	REP3			1452.654907		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20419	14479	5940
209		150 150	REP3			214.1714325 377.5775146		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	21023 20380	3499 5595	17524 14785
309		150	REP3			760.2349854		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20201	9615	10586
A09		150	REP3			1391.104004		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19861	13773	6088
H03	2	100.2	REP3		BDNF	131.9998474	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19089	2026	17063
303		100.2	REP3			298.2965698		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20133	4509	15624
	16	100.2	REP3				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20557	12665	11649
-03 -106	16	100.2 50.2	REP3			1320.705322 74.82287598		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	18775 20578	12665 1268	6110 19310
G06		50.2	REP3			127.9633942		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20638	2127	18511
06	8	50.2	REP3		BDNF	251.8648376	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20413	3934	16479
	16	50.2	REP3			481.3926086		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19937	6695	13242
206		50	REP3				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19732	1179	18553
206 306		50	REP3 REP3			126.0057755 259.7920837		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20528 19587	2085 3881	18443 15706
	16	50	REP3			461.5315857		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18943	6147	12796
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20488	0	20488
E11	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	21273	0	21273
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20600	0	20600
	PC PC					1441.094727 1468.046875		DQ DQ	Unknown Unknown	Unknown Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20444 20465	14438 14589	6006 5876
	PC					1419.062134		DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM ddPCR Supermix for Probes (no dUTP) FAM	20465	14589	6271
										2		20000	373	OL I