



Astellas BQT Assay Report
Test Article Report

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

Approver Signature/Date

Astellas BQT Infectivity Files

First Data File	Second Data File
18OCT2024_Plate03_KL-S3	18OCT2024_Plate03_KL-S4

50% L01-240910_1 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted Droplets	Std Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Outlier Jackknife z	Externally Studentized Residuals	Outlier Within Group	Outlier Between Group
50% L01-240910_1	13	2	1.846e+10	19212	1046797271.2	5.669173539	1.6e+1	1.2041199827	10.26634283	2.307	0.785	Pass	Ok
50% L01-240910_1	14	2	1.154e+10	20496	133015616.6	1.1528235451	8e+0	0.903089987	10.062139794	2.656	2.386	Pass	Ok
50% L01-240910_1	15	2	5.404e+9	20282	177405513.34	3.2830346726	4e+0	0.6020599913	9.7326916431	1.807	1.102	Pass	Ok
50% L01-240910_1	16	2	2.944e+9	19460.5	56060299.031	1.9039125695	2e+0	0.3010299957	9.4690084089	1.996	1.496	Pass	Ok
50% L01-240910_1	17	2	1.643e+10	19077.5	1033162251.4	6.2868996979	1.6e+1	1.2041199827	10.215731998	0.043	-0.281	Pass	Ok
50% L01-240910_1	18	2	9.459e+9	19732.5	188463982.8	1.9924404129	8e+0	0.903089987	9.9758430228	0.112	0.438	Pass	Ok
50% L01-240910_1	19	2	4.726e+9	20131.5	98091321.701	2.075351646	4e+0	0.6020599913	9.6745388925	0.088	-0.048	Pass	Ok
50% L01-240910_1	20	2	2.551e+9	20294	40150072.104	1.5738839181	2e+0	0.3010299957	9.4067136317	0.033	0.119	Pass	Ok
50% L01-240910_1	21	2	1.464e+10	19522	173507016.57	1.1853448318	1.6e+1	1.2041199827	10.165472332	1.958	-1.391	Pass	Ok
50% L01-240910_1	22	2	7.950e+9	19997	155852437.26	1.9603972923	8e+0	0.903089987	9.9003695043	1.733	-1.041	Pass	Ok
50% L01-240910_1	23	2	3.856e+9	20129.5	151481358.05	3.9288780116	4e+0	0.6020599913	9.5860906454	2.526	-1.906	Pass	Ok
50% L01-240910_1	24	2	2.119e+9	20119.5	64724449.5	3.0542138986	2e+0	0.3010299957	9.3261689162	2.259	-1.666	Pass	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621	1.6e+1	1.2041199827	10.56893682	0.993	-0.758	Pass	Ok
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	8e+0	0.903089987	10.224314572	2.677	-0.805	Pass	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	4e+0	0.6020599913	9.8972706745	2.803	-0.561	Pass	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	2e+0	0.3010299957	9.5512272121	1.253	-0.755	Pass	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744	1.6e+1	1.2041199827	10.577690117	0.469	-0.569	Pass	Ok
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	8e+0	0.903089987	10.293937987	0.116	0.549	Pass	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	4e+0	0.6020599913	9.9414859483	0.137	0.293	Pass	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	2e+0	0.3010299957	9.5666065868	0.313	-0.426	Pass	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372	1.6e+1	1.2041199827	10.618589688	7.706	0.287	Pass	Ok
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	8e+0	0.903089987	10.337832323	1.723	1.464	Pass	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	4e+0	0.6020599913	9.9689589413	1.661	0.834	Pass	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	2e+0	0.3010299957	9.6040850374	4.371	0.357	Pass	Ok

Within Group Jackknife z Outlier Limit (z): 4
Between Group Externally Studentized Residuals Outlier Limit (z): 4
Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations

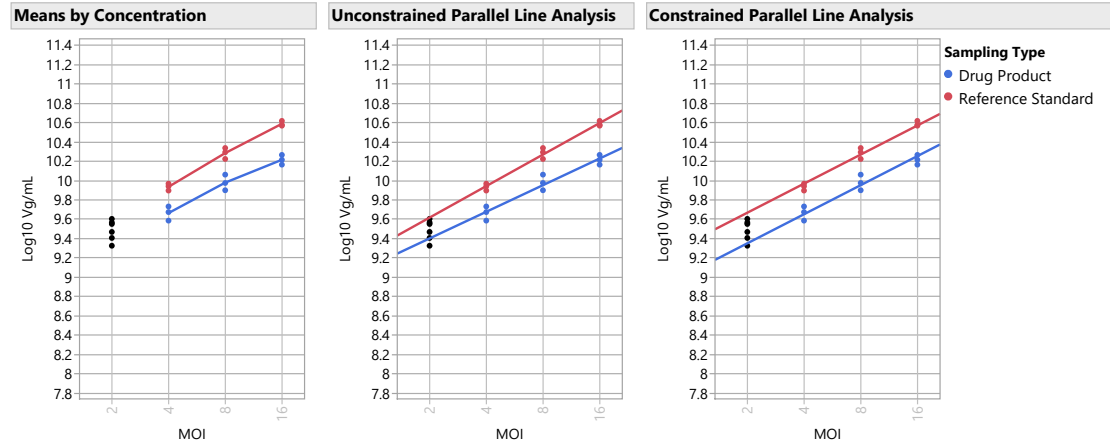
50% L01-240910_1 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Mean(Vg/mL)	Std Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	4e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.51e+9
Ref.Std (L01-240910)	1.6e+1	3	3.9e+10	2.4e+9
50% L01-240910_1	2e+0	3	2.54e+9	4.13e+8
50% L01-240910_1	4e+0	3	4.66e+9	7.76e+8
50% L01-240910_1	8e+0	3	9.65e+9	1.8e+9
50% L01-240910_1	1.6e+1	3	1.7e+10	1.91e+9

50% L01-240910_1 Model Selection

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.845	5.192	0.972	0.056 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.814	2.630	0.983	0.054 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.814	1.501	0.971	0.058 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.887	0.292	0.983	0.058 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.853	2.143	0.984	0.054 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.846	2.283	0.981	0.056 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.813	4.429	0.980	0.053 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.776	1.609	0.974	0.056 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.775	5.410	0.966	0.055 Parallel and Linear	

50% L01-240910_1 Graphs



50% L01-240910_1 Validity Report

Validity Criteria	LSL	USL	Validity Results	Assay Validity	Overall Validity
Dose Response Test	.	0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000	.	35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)	.	15	0.249	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.845	Passed Validity Criteria	
Linearity Ratio	.	26.3	5.192	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.650	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
5.56	11.52	48.2	0	0	48.2	53.4	43.1	150	50	10.2	10.2	Bioassay Results are Reportable	Assay is Valid and OOS	

Unconstrained RI	Constrained RI	Relative Infectivity Delta
48.0	48.2	0.2

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
0.7	0.3	1.0

150% L01-240910_1 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted	Std		MOI	Log10 MOI	Log10 Vg/mL	Outlier		Externally Outlier	
				Droplets	Dev(Vg/mL)	CV(Vg/mL)				Jackknife z	Within Group	Studentized Residuals	Between Group
150% L01-240910_1	25	2	4.418e+10	19996	1117564494.5	2.5297475867	1.6e+1	1.2041199827	10.645195405	6.522	Pass	0.335	Ok
150% L01-240910_1	26	2	2.550e+10	20365.5	562893082.9	2.2074702976	8e+0	0.903089987	10.406531043	80.472	Pass	1.318	Ok
150% L01-240910_1	27	2	1.230e+10	20080.5	129517198.73	1.0529509883	4e+0	0.6020599913	10.089919286	5.187	Pass	-0.117	Ok
150% L01-240910_1	28	2	7.105e+9	20666.5	120860492.39	1.7010399847	2e+0	0.3010299957	9.851569837	0.478	Pass	0.937	Ok
150% L01-240910_1	29	2	4.324e+10	19797	760109575.1	1.7580116665	1.6e+1	1.2041199827	10.635854451	0.430	Pass	0.031	Ok
150% L01-240910_1	30	2	2.298e+10	20092.5	31656665.012	0.1377308391	8e+0	0.903089987	10.361433967	0.682	Pass	-0.088	Ok
150% L01-240910_1	31	2	1.094e+10	20710	52721619.976	0.4817384535	4e+0	0.6020599913	10.039177432	1.154	Pass	-1.765	Ok
150% L01-240910_1	32	2	7.215e+9	20526	88293615.492	1.2237302372	2e+0	0.3010299957	9.8582436097	0.981	Pass	1.173	Ok
150% L01-240910_1	33	2	4.301e+10	19822.5	1751865687.7	4.073324556	1.6e+1	1.2041199827	10.633551791	1.051	Pass	-0.044	Ok
150% L01-240910_1	34	2	2.294e+10	20557	341864810.14	1.49026602	8e+0	0.903089987	10.3605906	0.732	Pass	-0.113	Ok
150% L01-240910_1	35	2	1.127e+10	20848	21155586.254	0.1877249333	4e+0	0.6020599913	10.051903106	0.368	Pass	-1.310	Ok
150% L01-240910_1	36	2	6.536e+9	20632	262772342.09	4.0203525339	2e+0	0.3010299957	9.8153155151	8.021	Pass	-0.260	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621	1.6e+1	1.2041199827	10.56893682	0.993	Pass	-1.207	Ok
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	8e+0	0.903089987	10.224314572	2.677	Pass	-1.286	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	4e+0	0.6020599913	9.8972706745	2.803	Pass	-0.886	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	2e+0	0.3010299957	9.5512272121	1.253	Pass	-1.203	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744	1.6e+1	1.2041199827	10.577690117	0.469	Pass	-0.898	Ok
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	8e+0	0.903089987	10.293937987	0.116	Pass	0.866	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	4e+0	0.6020599913	9.9414859483	0.137	Pass	0.458	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	2e+0	0.3010299957	9.5666065868	0.313	Pass	-0.669	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372	1.6e+1	1.2041199827	10.618589688	7.706	Pass	0.449	Ok
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	8e+0	0.903089987	10.337832323	1.723	Pass	2.491	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	4e+0	0.6020599913	9.9689589413	1.661	Pass	1.336	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	2e+0	0.3010299957	9.6040850374	4.371	Pass	0.558	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

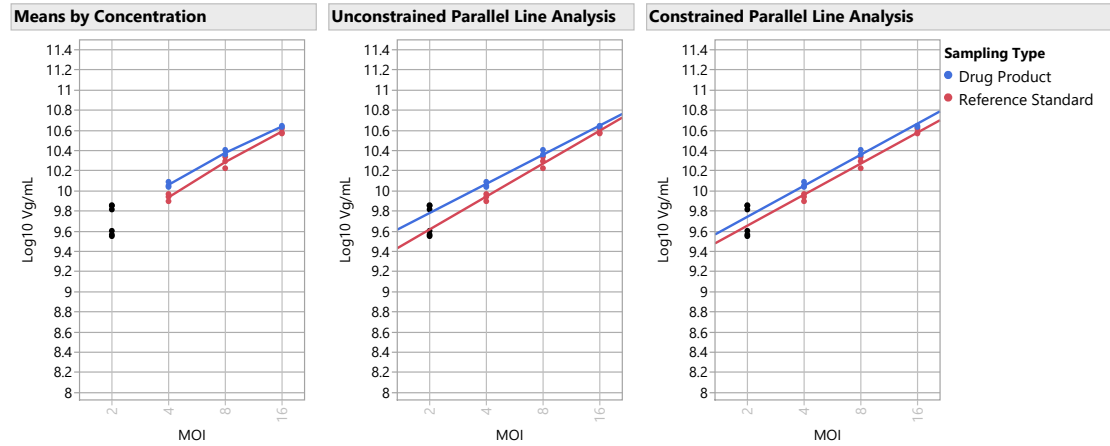
150% L01-240910_1 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Std	
			Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	4e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.51e+9
Ref.Std (L01-240910)	1.6e+1	3	3.9e+10	2.4e+9
150% L01-240910_1	2e+0	3	6.95e+9	3.64e+8
150% L01-240910_1	4e+0	3	1.2e+10	7.08e+8
150% L01-240910_1	8e+0	3	2.4e+10	1.47e+9
150% L01-240910_1	1.6e+1	3	4.3e+10	6.19e+8

150% L01-240910_1 Model Selection

Model	Parallelism	Linearity	R2	Validity	Selected Model
	Slope Ratio	Ratio		RMSE Evaluation	
Model 2, Low Standard and Test Doses Excluded	0.886	4.074	0.987	0.034 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.797	0.476	0.992	0.034 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.751	3.401	0.985	0.037 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.852	3.917	0.993	0.034 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.829	1.506	0.988	0.035 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.819	3.211	0.984	0.038 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.812	3.858	0.993	0.033 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.788	1.405	0.989	0.037 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.761	2.010	0.992	0.034 Parallel and Linear	

150% L01-240910_1 Graphs



150% L01-240910_1 Validity Report

Validity Criteria	LSL	USL	Validity Results	Assay Validity	Overall Validity
Dose Response Test	.	0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000	.	35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)	.	15	0.090	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.886	Passed Validity Criteria	
Linearity Ratio	.	26.3	4.074	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.650	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

EC50 Ref		EC50 Test		RI		Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range as % of Tolerance		OOS Validity
8.84		7.24		Uncorrected 122.0		Reference CF 0	0	122.0	129.5	115.1	150	14.5	14.5	Bioassay Results are Reportable Assay is Valid and Within Limits
Unconstrained RI		Constrained RI		Relative Infectivity Delta										
122.1		122.0		0.1										
Infectious Particle Ratio		Infectious Particle Ratio Lower Limit		Infectious Particle Ratio Upper Limit										
1.7		0.3		1.0										

200% L01-240910 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted		Std		MOI	Log10 MOI	Log10 Vg/mL	Outlier		Externally Outlier	
				Droplets	Dev(Vg/mL)	CV(Vg/mL)					Jackknife z	Within Group	Studentized Residuals	Between Group
200% L01-240910	37	2	5.344e+10	19290.5	80196876.213	0.1500625229		1.6e+1	1.2041199827	10.727885209	2.668	Pass	-0.062	Ok
200% L01-240910	38	2	3.096e+10	19264.5	154005481.06	0.4974087484		8e+0	0.903089987	10.490822758	6.431	Pass	0.664	Ok
200% L01-240910	39	2	1.470e+10	20635	560906281.84	3.8146779658		4e+0	0.6020599913	10.167432423	1.692	Pass	-0.785	Ok
200% L01-240910	40	2	1.091e+10	20539	257568089.92	2.3602328346		2e+0	0.3010299957	10.03793721	7.404	Pass	3.723	Ok
200% L01-240910	41	2	5.776e+10	19541.5	249954306.34	0.4327798418		1.6e+1	1.2041199827	10.7615936	1.727	Pass	0.861	Ok
200% L01-240910	42	2	2.763e+10	20939.5	269194304.26	0.9743799903		8e+0	0.903089987	10.44133751	1.057	Pass	-0.577	Ok
200% L01-240910	43	2	1.404e+10	19917	594811930.38	4.2353940345		4e+0	0.6020599913	10.14748585	2.738	Pass	-1.325	Ok
200% L01-240910	44	2	8.118e+9	19609.5	102821370.74	1.2666382592		2e+0	0.3010299957	9.9094307874	1.006	Pass	-0.633	Ok
200% L01-240910	45	2	5.595e+10	19982	932086203.29	1.6659818239		1.6e+1	1.2041199827	10.747785821	0.115	Pass	0.476	Ok
200% L01-240910	46	2	2.829e+10	19188	978378731.34	3.4586506089		8e+0	0.903089987	10.451600311	0.427	Pass	-0.318	Ok
200% L01-240910	47	2	1.443e+10	20530.5	91625658.209	0.6348367112		4e+0	0.6020599913	10.159355074	0.127	Pass	-0.998	Ok
200% L01-240910	48	2	8.605e+9	20956.5	277911220.03	3.2296461072		2e+0	0.3010299957	9.9347511442	0.461	Pass	0.055	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621		1.6e+1	1.2041199827	10.56893682	0.993	Pass	-0.990	Ok
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075		8e+0	0.903089987	10.224314572	2.677	Pass	-1.053	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821		4e+0	0.6020599913	9.8972706745	2.803	Pass	-0.730	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187		2e+0	0.3010299957	9.5512272121	1.253	Pass	-0.987	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744		1.6e+1	1.2041199827	10.577690117	0.469	Pass	-0.740	Ok
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393		8e+0	0.903089987	10.293937987	0.116	Pass	0.714	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236		4e+0	0.6020599913	9.9414859483	0.137	Pass	0.379	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827		2e+0	0.3010299957	9.5666065868	0.313	Pass	-0.553	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372		1.6e+1	1.2041199827	10.618589688	7.706	Pass	0.372	Ok
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193		8e+0	0.903089987	10.337832323	1.723	Pass	1.969	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489		4e+0	0.6020599913	9.9689589413	1.661	Pass	1.093	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587		2e+0	0.3010299957	9.6040850374	4.371	Pass	0.462	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

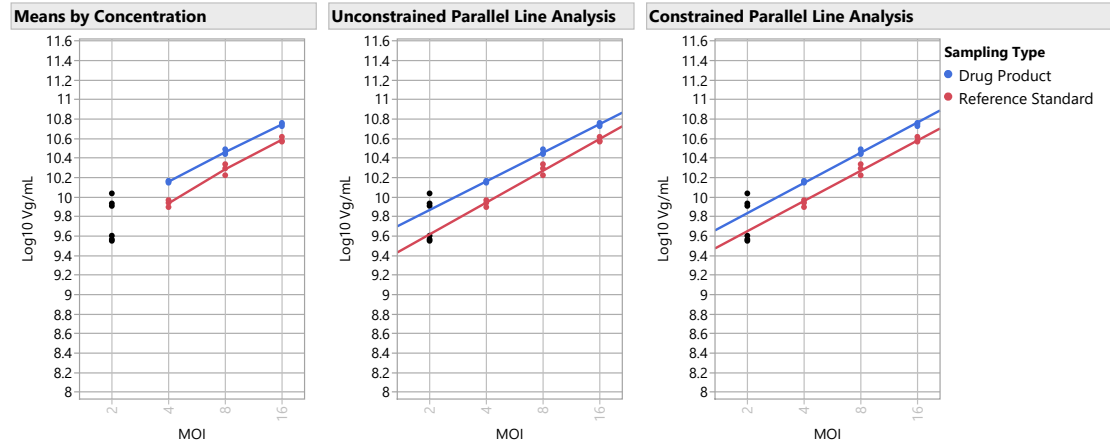
200% L01-240910 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Std	
			Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	4e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.51e+9
Ref.Std (L01-240910)	1.6e+1	3	3.9e+10	2.4e+9
200% L01-240910	2e+0	3	9.21e+9	1.49e+9
200% L01-240910	4e+0	3	1.4e+10	3.32e+8
200% L01-240910	8e+0	3	2.9e+10	1.77e+9
200% L01-240910	1.6e+1	3	5.6e+10	2.17e+9

200% L01-240910 Model Selection

Model	Parallelism		Linearity		Validity	
	Slope Ratio	Ratio	R2	RMSE Evaluation	Selected Model	
Model 2, Low Standard and Test Doses Excluded	0.901	2.624	0.989	0.032 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded	
Model 1, All Doses	0.784	0.875	0.989	0.041 Parallel and Linear		
Model 3, High Standard and Test Doses Excluded	0.704	3.849	0.982	0.044 Parallel and Linear		
Model 6, Test Low Dose Only Excluded	0.866	3.295	0.994	0.032 Parallel and Linear		
Model 9, Standard High Dose and Test Low Dose Excluded	0.826	1.798	0.995	0.031 Parallel and Linear		
Model 4, Standard Low Dose Only Excluded	0.815	3.904	0.982	0.043 Parallel and Linear		
Model 8, Standard Low Dose and Test High Dose Excluded	0.767	3.861	0.974	0.045 Parallel and Linear		
Model 5, Standard High Dose Only Excluded	0.747	4.273	0.989	0.042 Parallel and Linear		
Model 7, Test High Dose Only Excluded	0.738	1.290	0.986	0.043 Parallel and Linear		

200% L01-240910 Graphs



200% L01-240910 Validity Report

Validity Criteria	LSL		USL		Validity		Overall Validity
	Dose Response Test	Reference Standard Curve Depth	% Relative Infectivity Delta (Constrained - Unconstrained)	Parallelism Slope Ratio	Linearity Ratio	Unconstrained EC50 Standard	
Dose Response Test	.	2720000000	.	0.7	.	0.04	Assay is Valid
Reference Standard Curve Depth	.	.	15	1.4	2.624	4.650	
% Relative Infectivity Delta (Constrained - Unconstrained)	.	.	15	1.4	2.624	4.650	
Parallelism Slope Ratio	.	.	15	1.4	2.624	4.650	
Linearity Ratio	.	.	15	1.4	2.624	4.650	
Unconstrained EC50 Standard	.	.	15	1.4	2.624	4.650	
Number of Wells that Failed Accepted Droplets (<10000)	.	.	5	0.000	0.000	0.000	Passed Validity Criteria

200% L01-240910 Relative Infectivity and Infectious Particle Ratio

EC50 Ref		EC50 Test		RI		Reference		Relative Infectivity		Assay RI		Assay RI		Upper		Lower		CI Range as %		OOS Validity	
9.84		6.50		Uncorrected		Reference CF		Stability CF		Reportable Result		Upper 95%		Lower 95%		Spec Limit		Spec Limit		CI Range	
151.3		151.3		0		0		151.3		160.1		143.2		150		50		16.8		16.8 Bioassay Results are Reportable	
151.4		151.3		0.2																	
Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio		Infectious Particle Ratio	
2.1		0.3		1.0																	

100% L01-240910 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted		Std	MOI	Log10 MOI	Log10 Vg/mL	Outlier		Externally Outlier		
				Droplets	Dev(Vg/mL)	CV(Vg/mL)				Jackknife z	Within Group	Studentized Residuals	Between Group	
100% L01-240910	49	2	3.683e+10	19073.5	1778869003.2	4.8304881343	1.6e+1	1.2041199827	10.566152948	0.971	Pass		-1.112	Ok
100% L01-240910	50	2	1.680e+10	19201	199492668.93	1.1876932528	8e+0	0.903089987	10.225222651	5.468	Pass		-1.041	Ok
100% L01-240910	51	2	7.499e+9	19370	678147945.98	9.0435733427	4e+0	0.6020599913	9.8749843856	2.185	Pass		-1.352	Ok
100% L01-240910	52	2	3.707e+9	19538	299090113.23	8.0676914922	2e+0	0.3010299957	9.5690527747	0.450	Pass		-0.355	Ok
100% L01-240910	53	2	3.785e+10	18893	3580292594.9	9.459908583	1.6e+1	1.2041199827	10.578031581	0.485	Pass		-0.726	Ok
100% L01-240910	54	2	1.945e+10	18662.5	1149824505.5	5.9125325644	8e+0	0.903089987	10.288858015	0.383	Pass		0.788	Ok
100% L01-240910	55	2	8.368e+9	19716.5	128843280.71	1.5397191217	4e+0	0.6020599913	9.9226202714	0.016	Pass		0.047	Ok
100% L01-240910	56	2	3.646e+9	20386.5	178059200.32	4.8830356341	2e+0	0.3010299957	9.561874525	1.022	Pass		-0.577	Ok
100% L01-240910	57	2	4.332e+10	20021.5	1706528670.2	3.9391021166	1.6e+1	1.2041199827	10.636716349	8.291	Pass		1.104	Ok
100% L01-240910	58	2	2.023e+10	19822.5	2634087129.5	13.017781226	8e+0	0.903089987	10.306093168	1.127	Pass		1.316	Ok
100% L01-240910	59	2	9.200e+9	20137.5	101459939.16	1.1028389063	4e+0	0.6020599913	9.9637825187	2.060	Pass		1.251	Ok
100% L01-240910	60	2	3.981e+9	19947.5	380929556.42	9.5696095024	2e+0	0.3010299957	9.5999504547	7.068	Pass		0.592	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621	1.6e+1	1.2041199827	10.56893682	0.993	Pass		-1.128	Ok
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	8e+0	0.903089987	10.224314572	2.677	Pass		-1.202	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	4e+0	0.6020599913	9.8972706745	2.803	Pass		-0.829	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	2e+0	0.3010299957	9.5512272121	1.253	Pass		-1.124	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744	1.6e+1	1.2041199827	10.577690117	0.469	Pass		-0.841	Ok
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	8e+0	0.903089987	10.293937987	0.116	Pass		0.811	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	4e+0	0.6020599913	9.9414859483	0.137	Pass		0.429	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	2e+0	0.3010299957	9.5666065868	0.313	Pass		-0.627	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372	1.6e+1	1.2041199827	10.618589688	7.706	Pass		0.421	Ok
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	8e+0	0.903089987	10.337832323	1.723	Pass		2.295	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	4e+0	0.6020599913	9.9689589413	1.661	Pass		1.247	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	2e+0	0.3010299957	9.6040850374	4.371	Pass		0.524	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

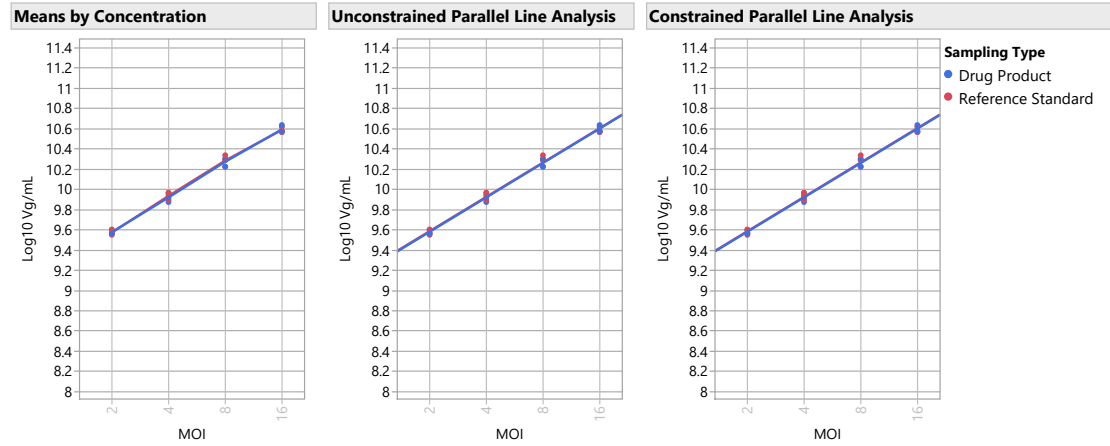
100% L01-240910 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Std	
			Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	4e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.51e+9
Ref.Std (L01-240910)	1.6e+1	3	3.9e+10	2.4e+9
100% L01-240910	2e+0	3	3.78e+9	1.78e+8
100% L01-240910	4e+0	3	8.36e+9	8.51e+8
100% L01-240910	8e+0	3	1.9e+10	1.8e+9
100% L01-240910	1.6e+1	3	3.9e+10	3.49e+9

100% L01-240910 Model Selection

Model	Parallelism		Linearity		Validity	
	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 1, All Doses	1.003	2.267	0.992	0.037	Parallel and Linear	Model 1, All Doses
Model 3, High Standard and Test Doses Excluded	0.979	0.108	0.987	0.037	Parallel and Linear	
Model 2, Low Standard and Test Doses Excluded	1.032	2.983	0.983	0.040	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.992	3.308	0.990	0.039	Parallel and Linear	
Model 7, Test High Dose Only Excluded	1.026	2.613	0.991	0.037	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	1.043	1.864	0.991	0.037	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.957	1.268	0.991	0.037	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.946	2.446	0.989	0.039	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	1.067	2.056	0.990	0.038	Parallel and Linear	

100% L01-240910 Graphs



100% L01-240910 Validity Report

Validity Criteria	LSL		USL		Validity		Overall Validity
	Dose Response Test	Reference Standard Curve Depth	% Relative Infectivity Delta (Constrained - Unconstrained)	Parallelism Slope Ratio	Linearity Ratio	Unconstrained EC50 Standard	Number of Wells that Failed Accepted Droplets (<10000)
	.	2720000000	.	0.7	.	0.04	.
	0.05	.	15	1.4	2.267	61.8	5
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000
	0.000	35056142037	0.000	1.003	2.267	4.650	0.000

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	
5.63	5.68	99.0	0	0	99.0	103.5	94.8	150	50	8.7	8.7	Bioassay Results are Reportable				Assay is Valid and Within Limits
		Relative														
Unconstrained RI	Constrained RI	Infectivity Delta														
99.0	99.0	0.0														
Infectious Particle Ratio		Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit													
1.3		0.3	1.0													

50% L01-240910_2 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted		Std		MOI	Log10 MOI	Log10 Vg/mL	Outlier		Externally Outlier	
				Droplets	Dev(Vg/mL)	CV(Vg/mL)					Jackknife z	Within Group	Studentized Residuals	Between Group
50% L01-240910_2	61	2	1.834e+10	19737	203751104.97	1.1111170816		1.6e+1	1.2041199827	10.263340148	2.562	Pass	0.667	Ok
50% L01-240910_2	62	2	1.130e+10	20211	262898579.74	2.3266742485		8e+0	0.903089987	10.053052657	2.246	Pass	2.242	Ok
50% L01-240910_2	63	2	5.357e+9	21162.5	66651202.129	1.2441699278		4e+0	0.6020599913	9.7289282868	2.055	Pass	1.176	Ok
50% L01-240910_2	64	2	2.820e+9	19762	168860802.11	5.9869546674		2e+0	0.3010299957	9.4503228782	1.566	Pass	1.331	Ok
50% L01-240910_2	65	2	1.644e+10	20267.5	452436562.64	2.7520219303		1.6e+1	1.2041199827	10.215905804	0.095	Pass	-0.354	Ok
50% L01-240910_2	66	2	9.639e+9	19391	154759020.72	1.6054847679		8e+0	0.903089987	9.9840497834	0.030	Pass	0.641	Ok
50% L01-240910_2	67	2	4.560e+9	21001	18127.742997	0.000397543		4e+0	0.6020599913	9.6589596546	0.017	Pass	-0.243	Ok
50% L01-240910_2	68	2	2.548e+9	19777.5	91143848.022	3.5773123313		2e+0	0.3010299957	9.4061705006	0.173	Pass	0.331	Ok
50% L01-240910_2	69	2	1.499e+10	19994	579169394.77	3.8628534835		1.6e+1	1.2041199827	10.175897368	1.786	Pass	-1.256	Ok
50% L01-240910_2	70	2	8.114e+9	20973	65816734.103	0.8111860937		8e+0	0.903089987	9.9092158315	2.007	Pass	-0.856	Ok
50% L01-240910_2	71	2	3.723e+9	20849	22105610.024	0.5936871551		4e+0	0.6020599913	9.5709448514	2.191	Pass	-2.218	Ok
50% L01-240910_2	72	2	2.099e+9	20993	13367658.82	0.6368196257		2e+0	0.3010299957	9.3220389135	3.035	Pass	-1.556	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621		1.6e+1	1.2041199827	10.56893682	0.993	Pass	-0.778	Ok
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075		8e+0	0.903089987	10.224314572	2.677	Pass	-0.827	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821		4e+0	0.6020599913	9.8972706745	2.803	Pass	-0.576	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187		2e+0	0.3010299957	9.5512272121	1.253	Pass	-0.775	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744		1.6e+1	1.2041199827	10.577690117	0.469	Pass	-0.584	Ok
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393		8e+0	0.903089987	10.293937987	0.116	Pass	0.564	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236		4e+0	0.6020599913	9.9414859483	0.137	Pass	0.300	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827		2e+0	0.3010299957	9.5666065868	0.313	Pass	-0.437	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372		1.6e+1	1.2041199827	10.618589688	7.706	Pass	0.294	Ok
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193		8e+0	0.903089987	10.337832323	1.723	Pass	1.507	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489		4e+0	0.6020599913	9.9689589413	1.661	Pass	0.857	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587		2e+0	0.3010299957	9.6040850374	4.371	Pass	0.366	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

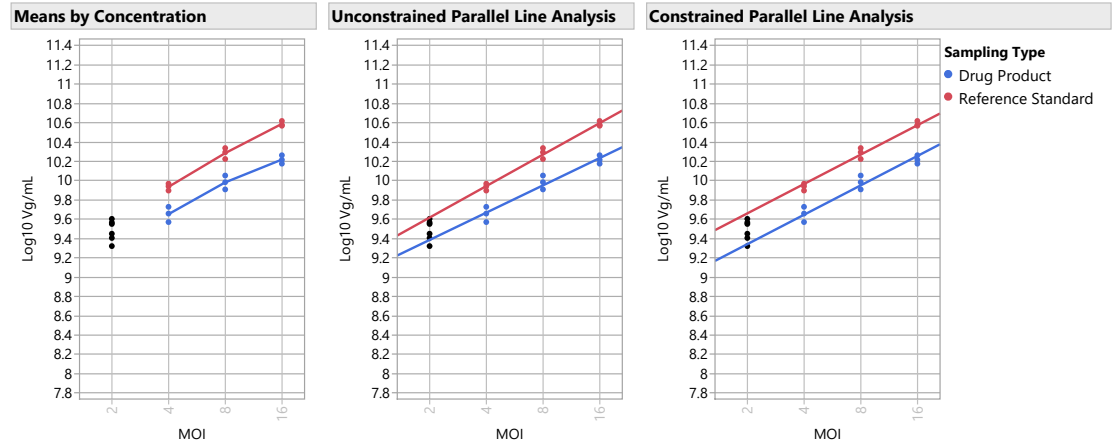
50% L01-240910_2 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Std	
			Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	4e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.51e+9
Ref.Std (L01-240910)	1.6e+1	3	3.9e+10	2.4e+9
50% L01-240910_2	2e+0	3	2.49e+9	3.64e+8
50% L01-240910_2	4e+0	3	4.55e+9	8.17e+8
50% L01-240910_2	8e+0	3	9.68e+9	1.59e+9
50% L01-240910_2	1.6e+1	3	1.7e+10	1.68e+9

50% L01-240910_2 Model Selection

Model	Parallelism		Linearity		Validity	
	Slope	Ratio	Ratio	R2	RMSE	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.867	5.719	0.974	0.055	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 3, High Standard and Test Doses Excluded	0.828	2.175	0.973	0.056	Parallel and Linear	
Model 1, All Doses	0.827	2.502	0.984	0.052	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.903	1.368	0.984	0.057	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.868	1.822	0.985	0.053	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.860	2.077	0.983	0.055	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.833	4.623	0.981	0.052	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.795	6.189	0.967	0.055	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.789	1.416	0.976	0.054	Parallel and Linear	

50% L01-240910_2 Graphs



50% L01-240910_2 Validity Report

Validity Criteria	LSL	USL	Validity Results	Assay Validity	Overall Validity
Dose Response Test	.	0.05	0.000	Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000	.	35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)	.	15	0.180	Passed Validity Criteria	
Parallelism Slope Delta	0.7	1.4	0.867	Passed Validity Criteria	
Linearity Ratio	.	26.3	5.719	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	4.650	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

EC50 Ref	EC50 Test	RI	Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower	CI Range as %					
		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
5.57	11.50	48.4	0	0	48.4	53.3	43.5	150	50	9.8	9.8	Bioassay Results are Reportable	Assay is Valid and OOS	

Relative		
Unconstrained RI	Constrained RI	Infectivity Delta
48.2	48.4	0.2

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
0.7	0.3	1.0

150% L01-240910_2 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted Droplets	Std Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z	Outlier Within Group	Externally Studentized Residuals	Outlier Between Group
150% L01-240910_2	73	2	4.494e+10	20268.5	1382444686.6	3.0760724392	1.6e+1	1.2041199827	10.652651205	1.953	Pass	0.523	Ok
150% L01-240910_2	74	2	2.566e+10	20858	639666646.59	2.4930803141	8e+0	0.903089987	10.409217437	3.857	Pass	1.344	Ok
150% L01-240910_2	75	2	1.222e+10	20415.5	212403284.41	1.7378576067	4e+0	0.6020599913	10.087147039	5.758	Pass	-0.365	Ok
150% L01-240910_2	76	2	7.248e+9	19921	49605155.379	0.6844349971	2e+0	0.3010299957	9.8601946062	0.933	Pass	1.065	Ok
150% L01-240910_2	77	2	4.381e+10	19580	1157150209.5	2.6411706984	1.6e+1	1.2041199827	10.641593268	0.045	Pass	0.146	Ok
150% L01-240910_2	78	2	2.344e+10	20742.5	482974557.86	2.0600966742	8e+0	0.903089987	10.370036653	0.269	Pass	0.062	Ok
150% L01-240910_2	79	2	1.144e+10	20183	480465980.94	4.1993236748	4e+0	0.6020599913	10.058483293	1.103	Pass	-1.314	Ok
150% L01-240910_2	80	2	7.163e+9	19195	3819839.2688	0.0533236786	2e+0	0.3010299957	9.8551249868	0.513	Pass	0.881	Ok
150% L01-240910_2	81	2	4.253e+10	19371.5	109815609.98	0.2582091481	1.6e+1	1.2041199827	10.628692453	2.312	Pass	-0.291	Ok
150% L01-240910_2	82	2	2.245e+10	20023.5	582856847.74	2.596168258	8e+0	0.903089987	10.351229067	1.342	Pass	-0.529	Ok
150% L01-240910_2	83	2	1.161e+10	20684	214437339.99	1.8466429905	4e+0	0.6020599913	10.064917469	0.398	Pass	-1.090	Ok
150% L01-240910_2	84	2	6.636e+9	19439	77730062.789	1.1713325325	2e+0	0.3010299957	9.821908813	9.576	Pass	-0.260	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621	1.6e+1	1.2041199827	10.56893682	0.993	Pass	-1.263	Ok
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	8e+0	0.903089987	10.224314572	2.677	Pass	-1.346	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	4e+0	0.6020599913	9.8972706745	2.803	Pass	-0.925	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	2e+0	0.3010299957	9.5512272121	1.253	Pass	-1.258	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744	1.6e+1	1.2041199827	10.577690117	0.469	Pass	-0.938	Ok
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	8e+0	0.903089987	10.293937987	0.116	Pass	0.904	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	4e+0	0.6020599913	9.9414859483	0.137	Pass	0.477	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	2e+0	0.3010299957	9.5666065868	0.313	Pass	-0.698	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372	1.6e+1	1.2041199827	10.618589688	7.706	Pass	0.468	Ok
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	8e+0	0.903089987	10.337832323	1.723	Pass	2.635	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	4e+0	0.6020599913	9.9689589413	1.661	Pass	1.398	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	2e+0	0.3010299957	9.6040850374	4.371	Pass	0.583	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

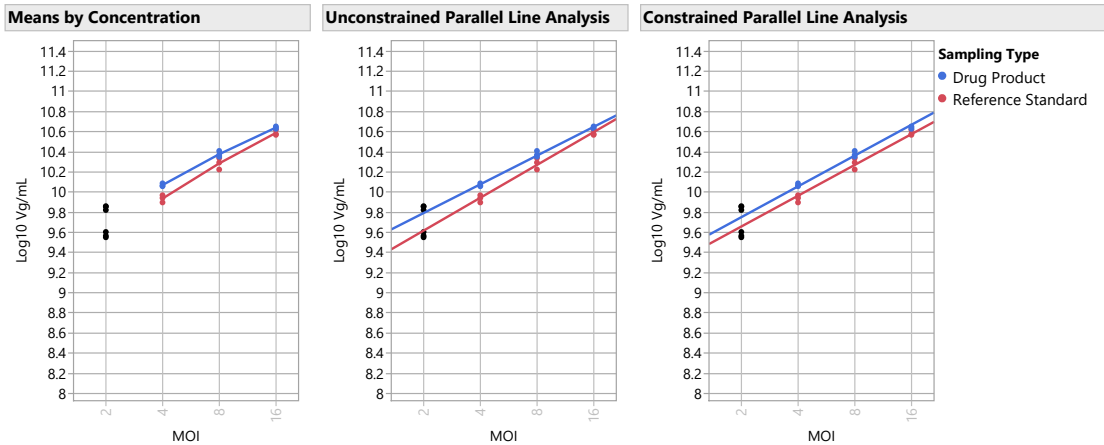
150% L01-240910_2 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Mean(Vg/mL)	Std Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	4e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.51e+9
Ref.Std (L01-240910)	1.6e+1	3	3.9e+10	2.4e+9
150% L01-240910_2	2e+0	3	7.02e+9	3.31e+8
150% L01-240910_2	4e+0	3	1.2e+10	4.1e+8
150% L01-240910_2	8e+0	3	2.4e+10	1.64e+9
150% L01-240910_2	1.6e+1	3	4.4e+10	1.21e+9

150% L01-240910_2 Model Selection

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.875	3.634	0.987	0.033 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.794	0.591	0.993	0.033 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.747	2.806	0.987	0.035 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.841	3.746	0.993	0.033 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.825	1.310	0.989	0.033 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.814	2.268	0.985	0.036 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.802	3.215	0.993	0.032 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.783	1.676	0.990	0.035 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.757	1.825	0.992	0.032 Parallel and Linear	

150% L01-240910_2 Graphs



[illegible]

Well	Sample	Sample	Sample	Sample	Conc(copies/			Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted		
	description 1	description 2	description 3	description 4	Target	μL	Status						Droplets	Positives	Negatives
A06	16	50	REP3		BDNF	984.0247192	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19568	11090	8478
E10	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	19747	0	19747
E11	NTC				BDNF	0.34029907	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20746	6	20740
E12	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	19958	0	19958
F10	PC				BDNF	1509.848633	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	19141	13837	5304
F11	PC				BDNF	1421.419922	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	19171	13444	5727
F12	PC				BDNF	1506.818848	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	18865	13624	5241

Well	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Conc(copies/ μL)	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted	Droplets	Positives	Negatives
D01	2	RS	REP1		BDNF	121.4333801	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19741	1936	17805
C01	4	RS	REP1		BDNF	267.2140503	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19219	3905	15314
B01	8	RS	REP1		BDNF	548.1389771	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20030	7460	12570
A01	16	RS	REP1		BDNF	1253.342529	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19361	12689	6672
D10	2	200	REP1		BDNF	369.8317871	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21528	5807	15721
C10	4	200	REP1		BDNF	503.3505554	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20963	7297	13666
B10	8	200	REP1		BDNF	1035.681763	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20128	11782	8346
A10	16	200	REP1		BDNF	1779.52002	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19343	15081	4262
H07	2	150.2	REP1		BDNF	240.4176788	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19548	3613	15935
G07	4	150.2	REP1		BDNF	402.3980713	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20502	5939	14563
F07	8	150.2	REP1		BDNF	840.1790161	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20639	10534	10105
E07	16	150.2	REP1		BDNF	1465.478027	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20191	14381	5810
D07	2	150	REP1		BDNF	239.6851807	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20790	3832	16958
C07	4	150	REP1		BDNF	413.0661316	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20389	6037	14359
B07	8	150	REP1		BDNF	836.7145996	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20505	10436	10069
A07	16	150	REP1		BDNF	1446.222656	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19641	13896	5745
H01	2	100.2	REP1		BDNF	130.6248779	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19355	2034	17321
G01	4	100.2	REP1		BDNF	265.9398499	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19820	4010	15810
F01	8	100.2	REP1		BDNF	564.5903931	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18255	6958	11297
E01	16	100.2	REP1		BDNF	1269.457153	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19528	12890	6638
H04	2	50.2	REP1		BDNF	97.9960556	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19957	1595	18362
G04	4	50.2	REP1		BDNF	180.1403809	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20997	2981	18016
F04	8	50.2	REP1		BDNF	382.8408813	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20128	5591	14537
E04	16	50.2	REP1		BDNF	606.4475708	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19308	7777	11531
D04	2	50	REP1		BDNF	99.47064209	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20031	1624	18407
C04	4	50	REP1		BDNF	175.9420166	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20388	2832	17556
B04	8	50	REP1		BDNF	381.4729919	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20626	5712	14914
A04	16	50	REP1		BDNF	590.8175659	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19843	7834	12009
D02	2	RS	REP2		BDNF	123.2781067	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20315	2021	18294
C02	4	RS	REP2		BDNF	282.6411133	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19816	4232	15584
B02	8	RS	REP2		BDNF	632.5710449	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19382	8061	11321
A02	16	RS	REP2		BDNF	1198.491821	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19177	12253	6924
D11	2	200	REP2		BDNF	273.012146	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21178	4386	16792
C11	4	200	REP2		BDNF	482.1478271	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21604	7264	14340
B11	8	200	REP2		BDNF	914.5630493	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21292	11506	9786
A11	16	200	REP2		BDNF	1931.075928	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19256	15526	3730
H08	2	150.2	REP2		BDNF	238.8732147	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19232	3534	15698
G08	4	150.2	REP2		BDNF	392.708313	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21543	6114	15429
F08	8	150.2	REP2		BDNF	792.859375	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20822	10209	10613
E08	16	150.2	REP2		BDNF	1433.126343	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20448	14400	6048
D08	2	150	REP2		BDNF	242.5851288	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20523	3824	16699
C08	4	150	REP2		BDNF	366.0437927	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20648	5521	15127
B08	8	150	REP2		BDNF	765.4019165	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20610	9857	10753
A08	16	150	REP2		BDNF	1423.313721	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19450	13649	5801
H02	2	100.2	REP2		BDNF	117.3526306	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20972	1991	18981
G02	4	100.2	REP2		BDNF	275.8955688	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19972	4175	15797
F02	8	100.2	REP2		BDNF	621.1397705	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18513	7594	10919
E02	16	100.2	REP2		BDNF	1177.178711	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20005	12650	7355
H05	2	50.2	REP2		BDNF	87.07595825	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19764	1410	18354
G05	4	50.2	REP2		BDNF	151.9986115	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21353	2588	18765
F05	8	50.2	REP2		BDNF	324.9608765	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19859	4793	15066
E05	16	50.2	REP2		BDNF	537.3410034	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19847	7277	12570
D05	2	50	REP2		BDNF	85.9803009	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20333	1433	18900
C05	4	50	REP2		BDNF	159.8617554	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20440	2597	17843
B05	8	50	REP2		BDNF	310.8562622	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19819	4602	15217
A05	16	50	REP2		BDNF	523.4338989	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19400	6967	12433
D03	2	RS	REP3		BDNF	134.8996429	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20852	2259	18593
C03	4	RS	REP3		BDNF	309.430542	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20569	4757	15812
B03	8	RS	REP3		BDNF	722.7357178	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19229	8826	10403
A03	16	RS	REP3		BDNF	1338.896484	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19570	13299	6271
D12	2	200	REP3		BDNF	280.2830811	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21440	4545	16895
C12	4	200	REP3		BDNF	483.2579346	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20510	6909	13601
B12	8	200	REP3		BDNF	919.8685303	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19937	10815	9122
A12	16	200	REP3		BDNF	1842.969238	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19864	15717	4147
H09	2	150.2	REP3		BDNF	219.3691254	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19934	3391	16543
G09	4	150.2	REP3		BDNF	392.1303101	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21538	6105	15433
F09	8	150.2	REP3		BDNF	762.0933228	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20921	9975	10946
E09	16	150.2	REP3		BDNF	1415.068726	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20313	14212	6101
D09	2	150	REP3		BDNF	224.0620117	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20696	3589	17107
C09	4	150	REP3		BDNF	376.1473083	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20855	5707	15148
B09	8	150	REP3		BDNF	756.6038818	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20816	9874	10942
A09	16	150	REP3		BDNF	1392.316528	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19261	13363	5898
H03	2	100.2	REP3		BDNF	141.6658478	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19348	2195	17153
G03	4	100.2	REP3		BDNF	309.0543518	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20790	4803	15987
F03	8	100.2	REP3		BDNF	736.5704346	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19737	9184	10553
E03	16	100.2	REP3		BDNF	1403.869507	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20203	14077	6126
H06	2	50.2	REP3		BDNF	69.65585327	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20978	1206	19772
G06	4	50.2	REP3		BDNF	123.5937729	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20707	2065	18642
F06	8	50.2	REP3		BDNF	268.9034119	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20981	4287	16694
E06	16	50.2	REP3		BDNF	486.1256714	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)</				