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

BQT Infectivity_18Nov2024-14-14-03

Astellas BQT Infectivity Files

First Data File	Second Data File
18OCT2024_Plate01_KL-S3	18OCT2024_Plate01_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	Jackknife z	Residual Vg/mL	Std Dev(Residual Vg/mL)	Outlier Within Group	Externally Studentized Residuals	Outlier 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	2016984707.3	975150051.65	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	2850624619.9	1279054942.5	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	750892487.00	483150314.72	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	368152542.00	200351201.56	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	-398602596.8	975150051.65	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	466713638.63	1279054942.5	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	-48587418.25	483150314.72	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	-37799377.35	200351201.56	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	-1618382111	975150051.65	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	-466713638.6	1279054942.5	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	-702305068.8	483150314.72	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	-330353164.6	200351201.56	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	-735884400.0	975150051.65	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	-2504692995	1279054942.5	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	-657906493.8	483150314.72	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	32829494.625	200351201.56	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	735884400.00	975150051.65	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	189258117.50	1279054942.5	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	135457229.00	483150314.72	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	-32829494.63	200351201.56	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	5187462150.0	975150051.65	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	2315434877.0	1279054942.5	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	522449264.75	483150314.72	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	239444102.63	200351201.56	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

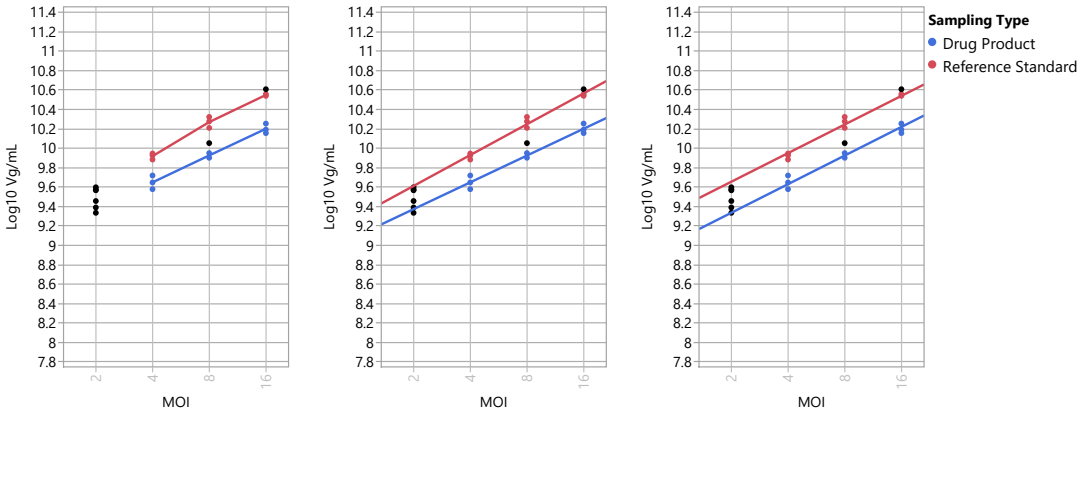
Group	MOI	N Rows	Mean(Vg/mL)	Std Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
50% L01-240910_1	2e+0	3	2.5e+9	3.51e+8
50% L01-240910_1	4e+0	3	4.49e+9	7.28e+8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

Model	Parallelism Slope Ratio	Linearity Ratio	R2	RMSE	Validity 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

Means by Concentration | **Unconstrained Parallel Line Analysis** | **Constrained Parallel Line Analysis**



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	.	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

EC50 Ref	EC50 Test	RI Uncorrected	Reference CF	Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range	CI Range as % 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

Unconstrained RI	Constrained RI	Relative Infectivity Delta
47.2	47.1	0.1

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
0.6	0.3	1.0

150% 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	Jackknife z	Residual Vg/mL	Std Dev(Residual Vg/mL)	Outlier Within Group	Externally Studentized Residuals	Outlier 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	498233642.50	975150051.65	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	2495354001.8	1279054942.5	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	816961441.50	483150314.72	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	39120598.125	200351201.56	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	-57075807.50	975150051.65	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	132241517.25	1279054942.5	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	-77338485.00	483150314.72	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	-39120598.13	200351201.56	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	-441157835.0	975150051.65	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	-132241517.3	1279054942.5	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	77338485.000	483150314.72	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	-524038123.9	200351201.56	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	-735884400.0	975150051.65	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	-2504692995	1279054942.5	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	-657906493.8	483150314.72	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	32829494.625	200351201.56	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	735884400.00	975150051.65	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	189258117.50	1279054942.5	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	135457229.00	483150314.72	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	-32829494.63	200351201.56	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	5187462150.0	975150051.65	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	2315434877.0	1279054942.5	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	52249264.75	483150314.72	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	239444102.63	200351201.56	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

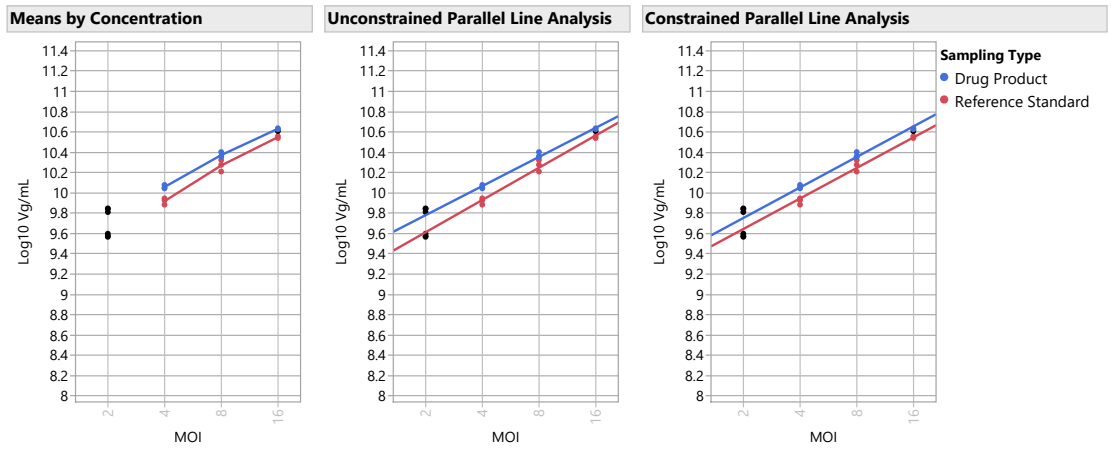
150% L01-240910_1 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Mean(Vg/mL)	Std 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

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE	Validity 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 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	.	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

EC50 Ref	EC50 Test	RI Uncorrected	Reference CF	Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range	CI Range as % 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 Limits

Unconstrained RI	Constrained RI	Relative Infectivity Delta
128.2	128.4	0.2

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
1.7	0.3	1.0

BQT Infectivity_18Nov2024-14-14-03

200% L01-240910 & 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	Residual Vg/mL	Std Dev(Residual Vg/mL)	Outlier Within Group	Externally Studentized Residuals	Outlier Between Group
200% L01-240910	37	2	5.233e+10	18878	3273703267.4	6.2557892386	1.6e+1	1.2041199827	10.718757203	1.072	-488076780.0	975150051.65	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	3698731384.5	1279054942.5	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	496179351.00	483150314.72	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	2533701095.6	200351201.56	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	4270579837.5	975150051.65	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	538523256.00	1279054942.5	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	131797638.00	483150314.72	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	35541000.375	200351201.56	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	488076780.00	975150051.65	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	-538523256.0	1279054942.5	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	-627976989.0	483150314.72	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	-35541000.38	200351201.56	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	-735884400.0	975150051.65	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	-2504692995	1279054942.5	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	-657906493.8	483150314.72	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	32829494.625	200351201.56	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	735884400.00	975150051.65	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	189258117.50	1279054942.5	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	135457229.00	483150314.72	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	-32829494.63	200351201.56	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	5187462150.0	975150051.65	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	2315434877.0	1279054942.5	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	522449264.75	483150314.72	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	239444102.63	200351201.56	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

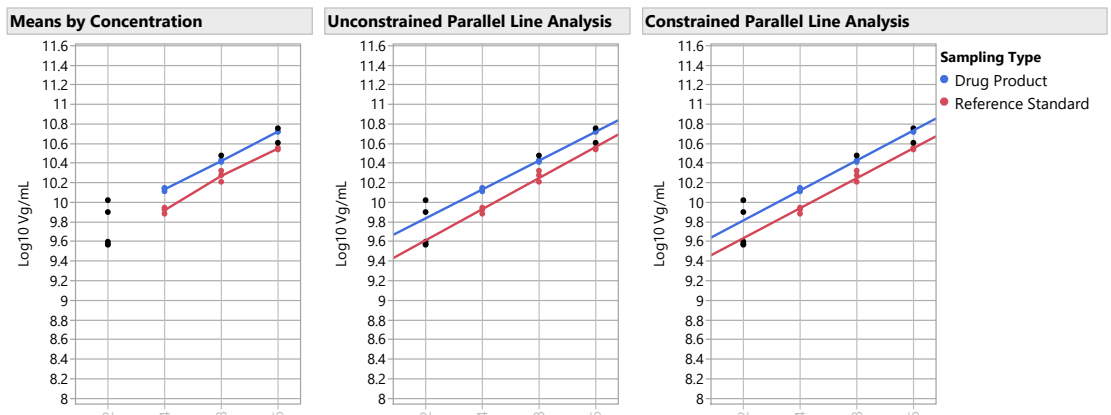
200% L01-240910 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Mean(Vg/mL)	Std 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

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE	Validity 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 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	.	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

EC50 Ref	EC50 Test	RI Uncorrected	Reference CF	Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range	CI Range as % 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 OOS

Unconstrained RI	Constrained RI	Relative Infectivity Delta
150.9	150.7	0.2

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
2.0	0.3	1.0

BQT Infectivity_18Nov2024-14-14-03

100% L01-240910 & 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	Residual Vg/mL	Std Dev(Residual Vg/mL)	Outlier Within Group	Externally Studentized Residuals	Outlier 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	-529564818.8	975150051.65	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	-2146416014	1279054942.5	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	-651703948.3	483150314.72	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	-6072311.750	200351201.56	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	529564818.75	975150051.65	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	284836422.00	1279054942.5	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	60059737.750	483150314.72	Ok	0.198	Ok
100% L01-240910	56	2	3.593e+9	12685.5	.	.	2e+0	0.3010299957	9.5554301725	1.940	-129568938.5	200351201.56	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	4570404048.8	975150051.65	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	1861579591.5	1279054942.5	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	591644210.50	483150314.72	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	135641250.25	200351201.56	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	-735884400.0	975150051.65	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	-2504692995	1279054942.5	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	-657906493.8	483150314.72	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	32829494.625	200351201.56	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	735884400.00	975150051.65	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	189258117.50	1279054942.5	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	135457229.00	483150314.72	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	-32829494.63	200351201.56	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	5187462150.0	975150051.65	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	2315434877.0	1279054942.5	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	522449264.75	483150314.72	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	239444102.63	200351201.56	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

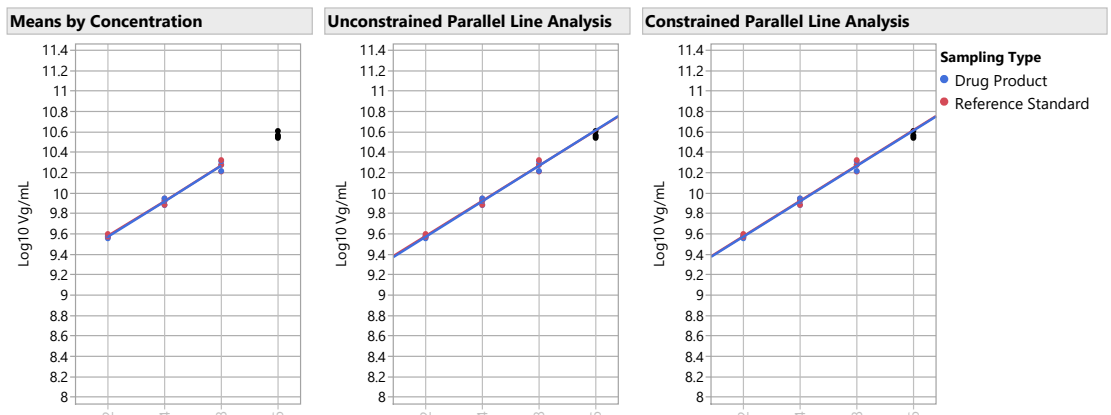
100% L01-240910 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Mean(Vg/mL)	Std 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

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE	Validity 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 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	.	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

EC50 Ref	EC50 Test	RI Uncorrected	Reference CF	Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range	CI Range as % 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 Limits

Unconstrained RI	Constrained RI	Relative 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

BQT Infectivity_18Nov2024-14-14-03

50% 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	Residual Vg/mL	Std Dev(Residual Vg/mL)	Outlier Within Group	Externally Studentized Residuals	Outlier 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	1852530364.8	975150051.65	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	1694588623.5	1279054942.5	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	690231131.75	483150314.72	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	318069076.60	200351201.56	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	-354373015.3	975150051.65	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	-149218902.8	1279054942.5	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	3158760.500	483150314.72	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	-23248787.30	200351201.56	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	-1498157350	975150051.65	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	-1545369721	1279054942.5	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	-693389892.3	483150314.72	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	-294820289.3	200351201.56	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	-735884400.0	975150051.65	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	-2504692995	1279054942.5	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	-657906493.8	483150314.72	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	32829494.625	200351201.56	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	735884400.00	975150051.65	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	189258117.50	1279054942.5	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	135457229.00	483150314.72	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	-32829494.63	200351201.56	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	5187462150.0	975150051.65	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	2315434877.0	1279054942.5	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	522449264.75	483150314.72	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	239444102.63	200351201.56	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

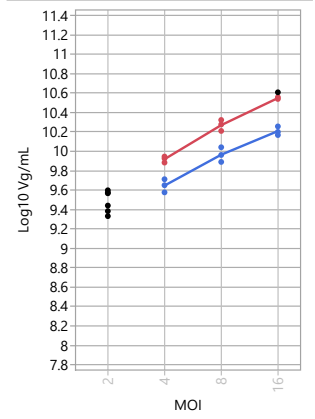
Group	MOI	N Rows	Mean(Vg/mL)	Std Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
50% L01-240910_2	2e+0	3	2.44e+9	3.07e+8
50% L01-240910_2	4e+0	3	4.47e+9	6.92e+8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

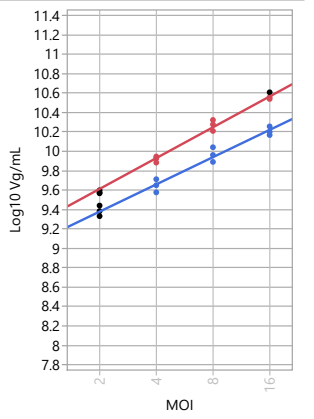
Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE	Validity Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.884	6.084	0.971	0.054	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.849	2.251	0.984	0.049	Parallel and Linear	
Model 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

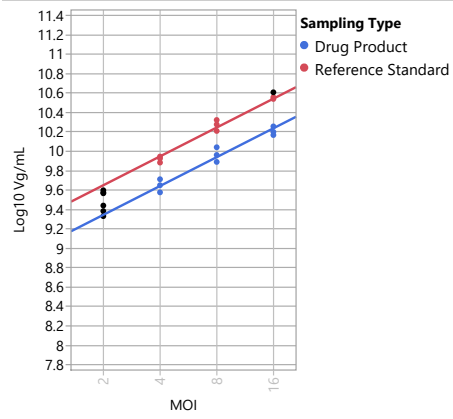
Means by Concentration



Unconstrained Parallel Line Analysis



Constrained Parallel Line Analysis



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	.	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

EC50 Ref	EC50 Test	RI Uncorrected	Reference CF	Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range	CI Range as % of Tolerance	CI Range % of Tolerance Check	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 Reportable	Assay is Valid and OOS

Unconstrained RI	Constrained RI	Relative Infectivity Delta
49.3	49.1	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	Residual Vg/mL	Std Dev(Residual Vg/mL)	Outlier Within Group	Externally Studentized Residuals	Outlier 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	1326603.750	975150051.65	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	2516037139.5	1279054942.5	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	954160308.75	483150314.72	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	71649780.750	200351201.56	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	-303666686.3	975150051.65	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	96825714.000	1279054942.5	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	-79911804.00	483150314.72	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	278020400.25	200351201.56	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	-1326603.750	975150051.65	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	-96825714.00	1279054942.5	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	79911804.000	483150314.72	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	-349670181.0	200351201.56	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	-735884400.0	975150051.65	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	-2504692995	1279054942.5	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	-657906493.8	483150314.72	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	32829494.625	200351201.56	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	735884400.00	975150051.65	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	189258117.50	1279054942.5	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	135457229.00	483150314.72	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	-32829494.63	200351201.56	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	5187462150.0	975150051.65	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	2315434877.0	1279054942.5	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	522449264.75	483150314.72	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	239444102.63	200351201.56	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

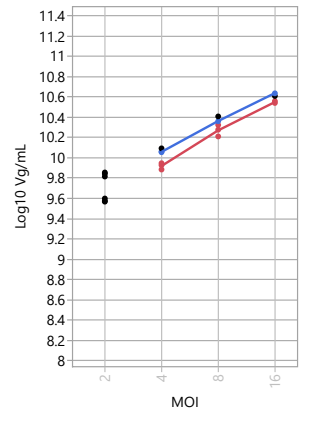
Group	MOI	N Rows	Mean(Vg/mL)	Std Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
150% L01-240910_2	2e+0	3	6.88e+9	3.2e+8
150% L01-240910_2	4e+0	2	1.1e+10	1.13e+8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

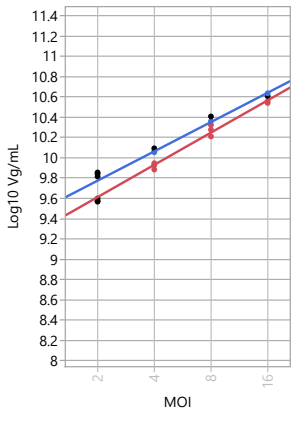
Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE	Validity Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.909	4.414	0.989	0.032	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.820	0.283	0.994	0.031	Parallel and Linear	
Model 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

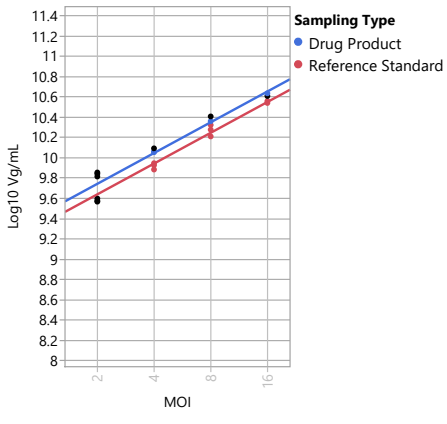
Means by Concentration



Unconstrained Parallel Line Analysis



Constrained Parallel Line Analysis



BQT Infectivity_18Nov2024-14-14-03

150% 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	.	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

EC50 Ref	EC50 Test	RI Uncorrected	Reference CF	Reference Stability CF	Relative Infectivity Reportable Result	Assay RI Upper 95%	Assay RI Lower 95%	Upper Spec Limit	Lower Spec Limit	CI Range	CI Range as % 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 Limits

Unconstrained RI	Constrained RI	Relative Infectivity Delta
127.0	126.7	0.3

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
1.7	0.3	1.0

Relative Infectivity All Samples

Sample Name	EC50 Standard	EC50 Test	Infectious 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

Sample Name	Overall 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	Assay is Valid	Within Limits	Reportable

Astellas BQT Infectivity Bioassay Materials and Reference Standard Report

Assay Details

Assay	Site:	Date Assay Initiated:	Purpose:	Bioassay Run Number	Analyst Name:	Signal	Method	Instrument ID	Instrument internal no.	Bioassay preparation (date_operator)	Bioassay review (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/Control	Reference Standard (RS)	Description	Lot#	Expiry/ Reevalution	RS Correction Factor	RS Stability Correction Factor
1	Ref.Std	Test	Test	Test	0	0

BQT Infectivity_18Nov2024-14-14-03

Input Files - Configuration File and Plate File(s)

System Suitability and Limits	Limit	Column 3	Location of Sample on Extracted DNA plate	Column 5	1	2	3	4	5	6	7	8	9
Lower Specification Limit (≥)	50.00			A	1	5	9	13	17	21	25	29	33
Upper Specification Limit (≤)	150.00			B	2	6	10	14	18	22	26	30	34
Reference Standard Curve Depth (≥)	2720000000.00			C	3	7	11	15	19	23	27	31	35
Unconstrained EC50 Standard Lower Limit (≥)	0.04			D	4	8	12	16	20	24	28	32	36
Unconstrained EC50 Standard Upper Limit (≤)	61.80			E	49	53	57	61	65	69	73	77	81
% Relative Infectivity Delta (Constrained – Unconstrained) (≤)	15.00			F	50	54	58	62	66	70	74	78	82
Within Group Jackknife z Outlier Limit (<)	4.00			G	51	55	59	63	67	71	75	79	83
Between Group Studentized Residuals Outlier Limit (<)	4.00			H	52	56	60	64	68	72	76	80	84
Parallelism Slope Ratio Lower Limit (≥)	0.70				.	.	.	.	.	.	.	.	.
Parallelism Slope Ratio Upper Limit (≤)	1.40				.	.	.	.	.	.	.	.	.
Linearity Ratio (≤)	26.30		ddPCR Map - Plate 1		1	2	3	4	5	6	7	8	9
Dose Reponse Test (≤)	0.05			A	3000	3000	3000	3000	3000	3000	3000	3000	3000
fixed position for ec50	10.00			B	3000	3000	3000	3000	3000	3000	3000	3000	3000
ec50 reference concentration target	4.74			C	3000	3000	3000	3000	3000	3000	3000	3000	3000
fixed position for Test article for Infectious Particles Ratio Equation	10.00			D	3000	3000	3000	3000	3000	3000	3000	3000	3000
Infectious Particles Ratio Lower Specification Limit (≥)	0.30			E	3000	3000	3000	3000	3000	3000	3000	3000	3000
Infectious Particles Ratio Upper Specification Limit (≤)	1.00			F	3000	3000	3000	3000	3000	3000	3000	3000	3000
Failed Accepted Droplets Upper Limit (≤)	5.00			G	3000	3000	3000	3000	3000	3000	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	3	4	5	6	7	8	9
Control (13-24)	.			A	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 1 (25-36)	.			B	6000	6000	6000	6000	6000	6000	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			H	6000	6000	6000	6000	6000	6000	6000	6000	6000
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Well	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Target	Conc(copies/µL)	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted Droplets	Positives	Negatives
D04	2	50	REP1		BDNF	184.5901031	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20749	3013	17736
C04	4	50	REP1		BDNF	334.3489075	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21194	5243	15951
B04	8	50	REP1		BDNF	742.4992676	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20895	9779	11116
A04	16	50	REP1		BDNF	1214.964355	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19835	12773	7062
H04	2	50.2	REP1		BDNF	177.3175049	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18962	2653	16309
G04	4	50.2	REP1		BDNF	334.5569763	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20116	4979	15137
F04	8	50.2	REP1		BDNF	743.3629761	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19571	9167	10404
E04	16	50.2	REP1		BDNF	1207.850952	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18099	11616	6483
H01	2	100.2	REP1		BDNF	234.0956421	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18400	3320	15080
G01	4	100.2	REP1		BDNF	495.1268005	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21015	7219	13796
F01	8	100.2	REP1		BDNF	1095.296021	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19345	11720	7625
E01	16	100.2	REP1		BDNF	2365.355713	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18004	15593	2411
D07	2	150	REP1		BDNF	467.249176	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20209	6624	13585
C07	4	150	REP1		BDNF	781.6210327	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19118	9280	9838
B07	8	150	REP1		BDNF	1654.55957	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19667	14848	4819
A07	16	150	REP1		BDNF	2955.455811	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19804	18198	1606
H07	2	150.2	REP1		BDNF	459.212616	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19640	6347	13293
G07	4	150.2	REP1		BDNF	800.2147217	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20921	10324	10597
F07	8	150.2	REP1		BDNF	1710.758911	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19375	14849	4526
E07	16	150.2	REP1		BDNF	2889.464111	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20729	18951	1778
D10	2	200	REP1		BDNF	708.2276611	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20076	9080	10996
C10	4	200	REP1		BDNF	977.4855957	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20357	11488	8869
B10	8	200	REP1		BDNF	2041.050293	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18286	15060	3226
A10	16	200	REP1		BDNF	3643.04248	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18450	17616	834
D01	2	RS	REP1		BDNF	246.2785187	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20320	3838	16482
C01	4	RS	REP1		BDNF	499.5166321	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20800	7196	13604
B01	8	RS	REP1		BDNF	1059.626343	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19198	11398	7800
A01	16	RS	REP1		BDNF	2283.812012	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20296	17383	2913
D05	2	50	REP2		BDNF	163.9904785	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20805	2707	18098
C05	4	50	REP2		BDNF	295.3388062	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21184	4703	16481
B05	8	50	REP2		BDNF	601.5122681	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19579	7837	11742
A05	16	50	REP2		BDNF	1060.067139	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19902	11819	8083
H05	2	50.2	REP2		BDNF	166.8026733	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19472	2574	16898
G05	4	50.2	REP2		BDNF	307.8444214	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19376	4461	14915
F05	8	50.2	REP2		BDNF	629.4448242	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19293	7994	11299
E05	16	50.2	REP2		BDNF	1077.647217	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18922	11351	7571
H02	2	100.2	REP2		BDNF	239.5184174	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19435	3580	15855
G02	4	100.2	REP2		BDNF	557.3325195	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19344	7299	12045
F02	8	100.2	REP2		BDNF	1246.139404	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18666	12194	6472
E02	16	100.2	REP2		BDNF	2541.648682	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19275	17053	2222
D08	2	150	REP2		BDNF	467.5604553	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19576	6420	13156
C08	4	150	REP2		BDNF	697.5460205	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20687	9253	11434
B08	8	150	REP2		BDNF	1459.571045	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19260	13690	5570
A08	16	150	REP2		BDNF	2833.755615	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18903	17203	1700
H08	2	150.2	REP2		BDNF	463.5831604	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19025	6196	12829
G08	4	150.2	REP2		BDNF	727.1038818	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21256	9799	11457
F08	8	150.2	REP2		BDNF	1474.371826	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20971	14982	5989
E08	16	150.2	REP2		BDNF	2850.130615	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20645	18814	1831
D11	2	200	REP2		BDNF	516.6569824	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18381	6533	11848
C11	4	200	REP2		BDNF	885.7620239	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20155	10662	9493
B11	8	200	REP2		BDNF	1786.702759	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20119	15713	4406
A11	16	200	REP2		BDNF	3792.115479	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	17904	17191	713
D02	2	RS	REP2		BDNF	246.8267822	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19862	3759	16103
C02	4	RS	REP2		BDNF	567.1739502	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18334	7013	11321
B02	8	RS	REP2		BDNF	1274.391724	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19099	12634	6465
A02	16	RS	REP2		BDNF	2515.170166	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19321	17043	2278
D06	2	50	REP3		BDNF	143.6707916	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18572	2135	16437
C06	4	50	REP3		BDNF	253.6337738	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18692	3625	15067
B06	8	50	REP3		BDNF	545.2636108	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19234	7134	12100
A06	16	50	REP3		BDNF	988.2422485	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18765	10664	8101
H06	2	50.2	REP3		BDNF	136.7447968	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18454	2025	16429
G06	4	50.2	REP3		BDNF	247.4911957	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18296	3471	14825
F06	8	50.2	REP3		BDNF	533.0770874	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19094	6957	12137
E06	16	50.2	REP3		BDNF	999.8353271	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18628	10665	7963
H03	2	100.2	REP3		BDNF	250.3984985	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19743	3785	15958
G03	4	100.2	REP3		BDNF	583.6205444	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19272	7537	11735
F03	8	100.2	REP3		BDNF	1390.483887	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21070	14608	6462
E03	16	100.2	REP3		BDNF	2817.72583	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18713	17007	1706
D09	2	150	REP3		BDNF	434.8545532	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18540	5729	12811
C09	4	150	REP3		BDNF	744.3925781	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20618	9667	10951
B09	8	150	REP3		BDNF	1498.908447	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19636	14144	5492
A09	16	150	REP3		BDNF	2870.013184	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	16903	15429	1474
H09	2	150.2	REP3		BDNF	428.2732849	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18592	5673	12919
G09	4	150.2	REP3		BDNF	757.883667	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19237	9136	10101
F09	8	150.2	REP3		BDNF	1495.671997	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21265	15301	5964
E09	16	150.2	REP3		BDNF	2888.75415	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19295	17639	1656
D12	2	200	REP3		BDNF	527.0714111	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18582	6710	11872
C12	4	200	REP3		BDNF	854.7813721	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19991	10324	9667
B12	8	200	REP3		BDNF	1723.79187	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20634	15867	4767
A12	16	200	REP3		BDNF	3631.812012	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19699	18800	899
D03	2	RS	REP3		BDNF	270.7347107	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21059	4329	16730
C03	4	RS	REP3		BDNF	583.8165283	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20742	8114	12628

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BQT Infectivity_18Nov2024-14-14-03

Well	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Target	Conc(copies/µL)	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted Droplets	Positives	Negatives
B03	8	RS	REP3		BDNF	1423.709229	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21479	15075	6404
A03	16	RS	REP3		BDNF	2840.367188	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19714	17951	1763
E10	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	19126	0	19126
E11	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20944	0	20944
E12	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	18778	0	18778
F10	PC				BDNF	1280.408691	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	18318	12149	6169
F11	PC				BDNF	1218.153198	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	19227	12400	6827
F12	PC				BDNF	1202.61377	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	17535	11226	6309

Well	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Target	Conc(copies/µL)	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted Droplets	Positives	Negatives
D01	2	RS	REP1		BDNF	127.5908127	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19041	1957	17084
C01	4	RS	REP1		BDNF	260.693512	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18807	3738	15069
B01	8	RS	REP1		BDNF	551.6500854	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19425	7271	12154
A01	16	RS	REP1		BDNF	1169.609009	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	16931	10666	6265
D10	2	200	REP1		BDNF	348.1827393	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20431	5234	15197
C10	4	200	REP1		BDNF	450.1703796	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20145	6405	13740
B10	8	200	REP1		BDNF	985.618042	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19405	11009	8396
A10	16	200	REP1		BDNF	1667.197388	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19306	14626	4680
H07	2	150.2	REP1		BDNF	234.1138306	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20427	3686	16741
G07	4	150.2	REP1		BDNF	425.228363	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19787	6002	13785
F07	8	150.2	REP1		BDNF	847.2356567	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20344	10443	9901
E07	16	150.2	REP1		BDNF	1452.476807	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19756	14008	5748
D07	2	150	REP1		BDNF	235.5180359	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20813	3776	17037
C07	4	150	REP1		BDNF	408.2714844	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20299	5952	14347
B07	8	150	REP1		BDNF	857.5824585	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19821	10259	9562
A07	16	150	REP1		BDNF	1411.008789	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19095	13340	5755
H01	2	100.2	REP1		BDNF	130.7037048	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	17071	1795	15276
G01	4	100.2	REP1		BDNF	259.6535645	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18435	3651	14784
F01	8	100.2	REP1		BDNF	548.6073608	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	17108	6376	10732
E01	16	100.2	REP1		BDNF	1206.892456	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18313	11748	6565
H04	2	50.2	REP1		BDNF	95.39581299	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19811	1543	18268
G04	4	50.2	REP1		BDNF	176.6719055	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18976	2646	16330
F04	8	50.2	REP1		BDNF	362.7191162	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19656	5215	14441
E04	16	50.2	REP1		BDNF	600.7639771	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18915	7564	11351
D04	2	50	REP1		BDNF	98.58995819	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19369	1557	17812
C04	4	50	REP1		BDNF	182.5280457	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20047	2881	17166
B04	8	50	REP1		BDNF	382.3301392	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20367	5651	14716
A04	16	50	REP1		BDNF	590.5283203	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19478	7687	11791
D02	2	RS	REP2		BDNF	122.939415	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	17909	1777	16132
C02	4	RS	REP2		BDNF	279.7557678	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19392	4104	15288
B02	8	RS	REP2		BDNF	623.8641357	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18906	7781	11125
A02	16	RS	REP2		BDNF	1152.047852	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19079	11913	7166
D11	2	200	REP2		BDNF	277.4240723	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19822	4164	15658
C11	4	200	REP2		BDNF	471.7400513	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21018	6943	14075
B11	8	200	REP2		BDNF	902.1112671	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20704	11087	9617
A11	16	200	REP2		BDNF	1909.904663	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18943	15207	3736
H08	2	150.2	REP2		BDNF	245.6865997	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20624	3887	16737
G08	4	150.2	REP2		BDNF	392.8456421	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21121	5996	15125
F08	8	150.2	REP2		BDNF	804.1484375	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19757	9783	9974
E08	16	150.2	REP2		BDNF	1451.810669	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20370	14440	5930
D08	2	150	REP2		BDNF	230.1463165	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20008	3555	16453
C08	4	150	REP2		BDNF	390.6889954	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20745	5862	14883
B08	8	150	REP2		BDNF	797.5358887	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19989	9841	10148
A08	16	150	REP2		BDNF	1434.838257	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19225	13547	5678
H02	2	100.2	REP2		BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	5936	0	5936
G02	4	100.2	REP2		BDNF	276.0016174	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18148	3795	14353
F02	8	100.2	REP2		BDNF	635.269165	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19061	7953	11108
E02	16	100.2	REP2		BDNF	1189.354614	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19625	12484	7141
H05	2	50.2	REP2		BDNF	77.89870453	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20072	1286	18786
G05	4	50.2	REP2		BDNF	144.2233582	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20932	2415	18517
F05	8	50.2	REP2		BDNF	296.7576904	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19987	4456	15531
E05	16	50.2	REP2		BDNF	518.7389526	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20134	7179	12955
D05	2	50	REP2		BDNF	81.8263092	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20688	1390	19298
C05	4	50	REP2		BDNF	148.734436	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19889	2362	17527
B05	8	50	REP2		BDNF	293.8962402	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20330	4494	15836
A05	16	50	REP2		BDNF	506.9377747	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19533	6838	12695
D03	2	RS	REP3		BDNF	129.1370239	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19739	2052	17687
C03	4	RS	REP3		BDNF	297.2339478	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19390	4329	15061
B03	8	RS	REP3		BDNF	690.9505005	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19213	8534	10679
A03	16	RS	REP3		BDNF	1286.221191	OK	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
C12	4	200	REP3		BDNF	436.5787354	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19502	6046	13456
B12	8	200	REP3		BDNF	861.7636108	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19825	10295	9530
A12	16	200	REP3		BDNF	1737.889526	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19827	15301	4526
H09	2	150.2	REP3		BDNF	221.4954987	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20634	3541	17093
G09	4	150.2	REP3		BDNF	388.1106567	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20758	5833	14925
F09	8	150.2	REP3		BDNF	780.5882568	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19441	9428	10013
E09	16	150.2	REP3		BDNF	1452.654907	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20419	14479	5940
D09	2	150	REP3		BDNF	214.1714325	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21023	3499	17524
C09	4	150	REP3		BDNF	377.5775146	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20380	5595	14785
B09	8	150	REP3		BDNF	760.2349854	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20201	9615	10586
A09	16	150	REP3		BDNF	1391.104004	OK	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
G03	4	100.2	REP3		BDNF	298.2965698	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20133	4509	15624
F03	8	100.2	REP3		BDNF	668.2131348	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20557	8908	11649
E03	16	100.2	REP3		BDNF	1320.705322	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18775	12665	6110
H06	2	50.2	REP3		BDNF	74.82287598	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20578	1268	19310
G06	4	50.2	REP3		BDNF	127.9633942	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20638	2127	18511
F06	8	50.2	REP3		BDNF	251.8648376	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20413	3934	16479
E06	16	50.2	REP3		BDNF	481.3926086	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19937	6695	13242
D06	2	50	REP3		BDNF	72.48256683	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19732	1179	18553
C06	4	50	REP3		BDNF	126.0057755	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20528	2085	18443
B06	8	50	REP3		BDNF	259.7920837	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19587	3881	15706
A06	16	50	REP3		BDNF	461.5315857	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18943	6147	12796
E10	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20488	0	20488
E11	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	21273	0	21273
E12	NTC				BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20600	0	20600
F10	PC				BDNF	1441.094727	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20444	14438	6006
F11	PC				BDNF	1468.046875	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20465	14589	5876
F12	PC				BDNF	1419.062134	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20950	14679	6271