



Astellas BTQ 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 BTQ Infectivity PLA Script Version 0.1  
JMP Version 18.1.0

Analyst Signature/Date

Approver Signature/Date

Astellas KT430 Infectivity Files

First Data File	Second Data File
18OCT2024_Plate01_KL-S3	18OCT2024_Plate01_KL-S4

50% 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	Outlier Within Group	Studentized Residuals	Externally Outlier Between Group
50% L01-240910	13	2	1.797e+10	19656.5	359645621.8	2.0013493063	1.6e+1	1.2041199827	10.254551883	1.552	Ok		0.765 Ok
50% L01-240910	14	2	1.130e+10	20631	235053015.22	2.0794349286	8e+0	0.903089987	10.053220492	1.811	Ok		2.381 Ok
50% L01-240910	15	2	5.246e+9	20620.5	325698869.5	6.2090657061	4e+0	0.6020599913	9.7197899954	1.597	Ok		1.099 Ok
50% L01-240910	16	2	2.863e+9	20059	133535135.16	4.6637199832	2e+0	0.3010299957	9.4568630835	1.884	Ok		1.434 Ok
50% L01-240910	17	2	1.555e+10	19717.5	489935793.6	3.1497867731	1.6e+1	1.2041199827	10.191858014	0.362	Ok		-0.503 Ok
50% L01-240910	18	2	8.920e+9	19954.5	145520323.79	1.6314329748	8e+0	0.903089987	9.9503544163	0.322	Ok		0.191 Ok
50% L01-240910	19	2	4.446e+9	20536.5	22592759.573	0.5081526529	4e+0	0.6020599913	9.6479750835	0.060	Ok		-0.314 Ok
50% L01-240910	20	2	2.457e+9	20746.5	3583547.517	0.1458313452	2e+0	0.3010299957	9.3904622856	0.042	Ok		0.053 Ok
50% L01-240910	21	2	1.433e+10	18854	691328511.13	4.8227318281	1.6e+1	1.2041199827	10.156391355	1.395	Ok		-1.245 Ok
50% L01-240910	22	2	7.986e+9	19410.5	272371628.48	3.410460901	8e+0	0.903089987	9.9023487925	1.109	Ok		-0.746 Ok
50% L01-240910	23	2	3.792e+9	19610	17206271.137	0.4537112028	4e+0	0.6020599913	9.5789072595	1.376	Ok		-1.732 Ok
50% L01-240910	24	2	2.165e+9	19152	13728570.717	0.6341816577	2e+0	0.3010299957	9.3354116483	1.275	Ok		-1.073 Ok
50% L01-240910	61	2	1.807e+10	18507	67065519.327	0.371135865	1.6e+1	1.2041199827	10.256966367	1.682	Ok		0.816 Ok
50% L01-240910	62	2	1.102e+10	19613.5	190120617.32	1.7258574881	8e+0	0.903089987	10.042024285	1.415	Ok		2.108 Ok
50% L01-240910	63	2	5.159e+9	19546	199264473.2	3.8622715539	4e+0	0.6020599913	9.7125870699	1.342	Ok		0.952 Ok
50% L01-240910	64	2	2.761e+9	19386.5	142914635.79	5.1765314071	2e+0	0.3010299957	9.4410378536	1.207	Ok		1.090 Ok
50% L01-240910	65	2	1.586e+10	19528	426059891.54	2.6857978728	1.6e+1	1.2041199827	10.200397327	0.150	Ok		-0.330 Ok
50% L01-240910	66	2	9.172e+9	19640	381089296.09	4.1548290727	8e+0	0.903089987	9.9624735888	0.137	Ok		0.427 Ok
50% L01-240910	67	2	4.472e+9	20154	205743731.17	4.6005207441	4e+0	0.6020599913	9.6505196182	0.016	Ok		-0.264 Ok
50% L01-240910	68	2	2.420e+9	19772	116728454.59	4.8244854223	2e+0	0.3010299957	9.3837257373	0.180	Ok		-0.082 Ok
50% L01-240910	69	2	1.472e+10	19282.5	392975759.31	2.6697350163	1.6e+1	1.2041199827	10.167897604	1.011	Ok		-0.999 Ok
50% L01-240910	70	2	7.776e+9	19753.5	311276312.65	4.0030128902	8e+0	0.903089987	9.8907590846	1.336	Ok		-0.978 Ok
50% L01-240910	71	2	3.776e+9	19467	89472972.022	2.3697464095	4e+0	0.6020599913	9.5769899896	1.423	Ok		-1.775 Ok
50% L01-240910	72	2	2.148e+9	19516	136835293.16	6.3705683843	2e+0	0.3010299957	9.332019945	1.372	Ok		-1.145 Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175	Ok		-0.776 Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499	Ok		-0.726 Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606	Ok		-0.674 Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366	Ok		-0.308 Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356	Ok		-0.361 Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083	Ok		0.630 Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243	Ok		0.184 Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157	Ok		-0.475 Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985	Outlier		0.795 Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823	Ok		1.626 Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397	Ok		0.574 Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157	Within Analytical Error		0.195 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

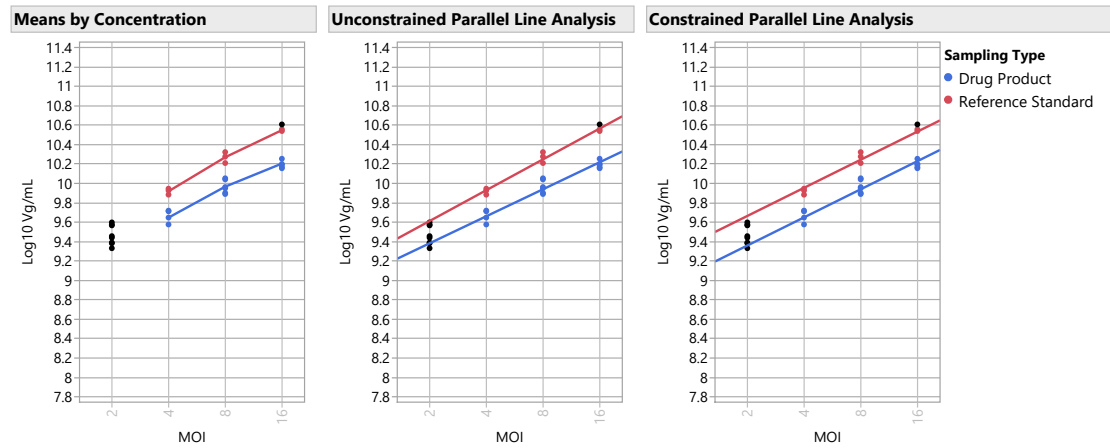
50% L01-240910 Test Sample & Reference Standard Summary Statistics

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	2e+0	6	2.47e+9	2.96e+8
50% L01-240910	4e+0	6	4.48e+9	6.35e+8
50% L01-240910	8e+0	6	9.36e+9	1.49e+9
50% L01-240910	1.6e+1	6	1.6e+10	1.6e+9

50% L01-240910 Model Selection

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.876	6.535	0.963	0.056 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.842	1.960	0.980	0.052 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.837	3.546	0.968	0.055 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.908	2.402	0.978	0.057 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.879	0.519	0.978	0.054 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.870	1.812	0.979	0.054 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.849	5.354	0.971	0.053 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.808	6.190	0.961	0.054 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.802	1.006	0.975	0.053 Parallel and Linear	

50% L01-240910 Graphs



50% 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	1.521	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.876	Passed Validity Criteria	
Linearity Ratio	.	26.3	6.535	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	16.906	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (< 10000)	.	5	0.000	Passed Validity Criteria	

50% 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
4.70	9.75	48.3	0	0	48.3	51.6	44.9	150	50	6.7	6.7	Bioassay Results are Reportable	Assay is Valid and OOS

Unconstrained RI	Constrained RI	Relative Infectivity Delta
49.8	48.3	1.5

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
0.2	0.3	1.0

150% L01-240910 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted	Std	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z	Outlier Within Group	Externally Outlier		
				Droplets	Dev(Vg/mL)						CV(Vg/mL)	Studentized Residuals	Between Group
150% L01-240910	25	2	4.333e+10	19449.5	1415326191.4	3.2663094426	1.6e+1	1.2041199827	10.636799217	0.616	Ok	0.128	Ok
150% L01-240910	26	2	2.527e+10	19744	642816777.6	2.5434988531	8e+0	0.903089987	10.402655657	1.547	Ok	1.463	Ok
150% L01-240910	27	2	1.199e+10	19708.5	370403067.43	3.0902382741	4e+0	0.6020599913	10.078682607	0.931	Ok	-0.465	Ok
150% L01-240910	28	2	7.037e+9	20511	40166095.497	0.5707730578	2e+0	0.3010299957	9.8473961516	0.738	Ok	0.977	Ok
150% L01-240910	29	2	4.278e+10	19064	380998669.04	0.8906886483	1.6e+1	1.2041199827	10.631197541	0.857	Ok	-0.076	Ok
150% L01-240910	30	2	2.291e+10	19624.5	1437202301	6.2733021375	8e+0	0.903089987	10.360021699	0.714	Ok	-0.089	Ok
150% L01-240910	31	2	1.109e+10	20716	889172320.19	8.0163895138	4e+0	0.6020599913	10.045007123	1.258	Ok	-1.730	Ok
150% L01-240910	32	2	6.959e+9	19792	77086896.492	1.1077457191	2e+0	0.3010299957	9.842540481	0.408	Ok	0.792	Ok
150% L01-240910	33	2	4.239e+10	18382	931314530.59	2.1969287211	1.6e+1	1.2041199827	10.627280412	2.957	Ok	-0.220	Ok
150% L01-240910	34	2	2.265e+10	19918.5	228694495.38	1.0098965802	8e+0	0.903089987	10.35497881	0.982	Ok	-0.267	Ok
150% L01-240910	35	2	1.125e+10	20499	114153032.32	1.0149997396	4e+0	0.6020599913	10.051021522	0.803	Ok	-1.490	Ok
150% L01-240910	36	2	6.474e+9	19781.5	69066883.248	1.0668379646	2e+0	0.3010299957	9.8111713961	1.929	Ok	-0.363	Ok
150% L01-240910	73	2	4.346e+10	20242.5	164290989.13	0.3780442877	1.6e+1	1.2041199827	10.638071064	1.003	Ok	0.175	Ok
150% L01-240910	74	2	2.554e+10	19859.5	172756060.68	0.6764341882	8e+0	0.903089987	10.407207743	2.014	Ok	1.643	Ok
150% L01-240910	75	2	1.238e+10	20354	532896929.11	4.304486152	4e+0	0.6020599913	10.092721903	2.756	Ok	0.032	Ok
150% L01-240910	76	2	6.956e+9	20033.5	95618993.904	1.3746652481	2e+0	0.3010299957	9.8423472161	0.395	Ok	0.785	Ok
150% L01-240910	77	2	4.315e+10	20507.5	567354794.46	1.3147474299	1.6e+1	1.2041199827	10.635012399	0.148	Ok	0.063	Ok
150% L01-240910	78	2	2.312e+10	20364	1420489654.8	6.1439823415	8e+0	0.903089987	10.363988116	0.520	Ok	0.051	Ok
150% L01-240910	79	2	1.135e+10	21188.5	621413242.94	5.4769542447	4e+0	0.6020599913	10.054841391	0.555	Ok	-1.342	Ok
150% L01-240910	80	2	7.162e+9	19824.5	294757875.4	4.1154812625	2e+0	0.3010299957	9.8550447888	1.393	Ok	1.274	Ok
150% L01-240910	81	2	4.346e+10	19857	175599334.22	0.4040901983	1.6e+1	1.2041199827	10.638044549	0.994	Ok	0.174	Ok
150% L01-240910	82	2	2.293e+10	20353	694780318.29	3.0304863146	8e+0	0.903089987	10.36033518	0.698	Ok	-0.078	Ok
150% L01-240910	83	2	1.151e+10	19997.5	194500111.81	1.690454602	4e+0	0.6020599913	10.060916343	0.190	Ok	-1.111	Ok
150% L01-240910	84	2	6.534e+9	19613	156104914.68	2.3889408814	2e+0	0.3010299957	9.8152111738	1.464	Ok	-0.215	Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175	Ok	-1.446	Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499	Ok	-1.348	Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606	Ok	-1.249	Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366	Ok	-0.563	Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356	Ok	-0.659	Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083	Ok	1.164	Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243	Ok	0.334	Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157	Ok	-0.872	Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985	Outlier	1.446	Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823	Ok	3.314	Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397	Ok	1.058	Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157	Within Analytical Error	0.356	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

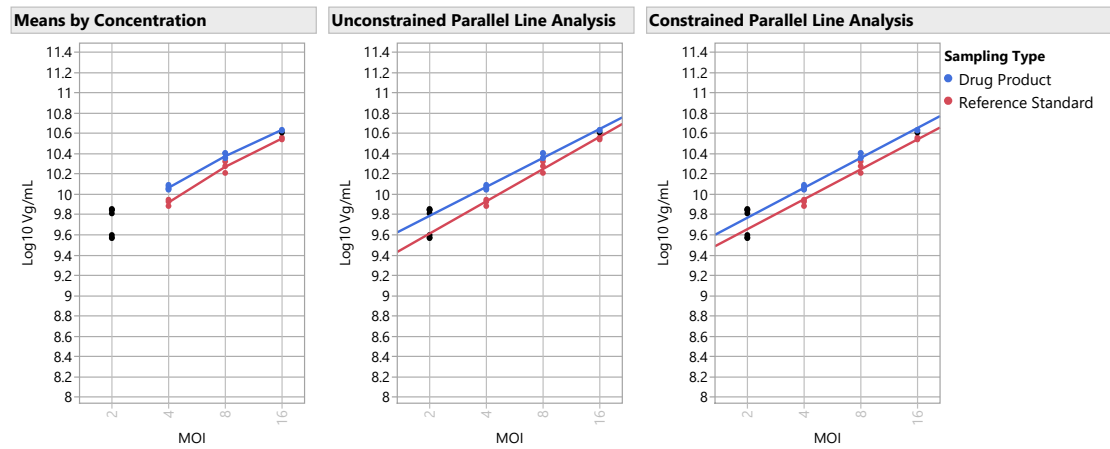
150% L01-240910 Test Sample & Reference Standard Summary Statistics

Group	MOI	N Rows	Std	
			Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+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	2e+0	6	6.85e+9	2.82e+8
150% L01-240910	4e+0	6	1.2e+10	4.93e+8
150% L01-240910	8e+0	6	2.4e+10	1.31e+9
150% L01-240910	1.6e+1	6	4.3e+10	4.28e+8

150% L01-240910 Model Selection

Model	Parallelism	Linearity	R2	Validity	Selected Model
	Slope Ratio	Ratio		RMSE Evaluation	
Model 2, Low Standard and Test Doses Excluded	0.898	4.785	0.989	0.029 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.825	0.245	0.993	0.029 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.782	4.825	0.988	0.031 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.869	4.292	0.994	0.028 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.852	1.202	0.991	0.029 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.849	4.438	0.984	0.033 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.827	3.653	0.994	0.027 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.822	0.200	0.989	0.032 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.785	1.865	0.994	0.028 Parallel and Linear	

150% L01-240910 Graphs



150% 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	1.830	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.898	Passed Validity Criteria	
Linearity Ratio	.	26.3	4.785	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	16.906	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)	.	5	0.000	Passed Validity Criteria	

150% 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
9.36	7.18	130.4	0	0	130.4	135.2	125.8	150	50	9.4	9.4	Bioassay Results are Reportable Assay is Valid and Within Limits		
		Relative												
Unconstrained RI	Constrained RI	Infectivity Delta												
128.5	130.4	1.8												
Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit												
0.4	0.3	1.0												

200% L01-240910 & Reference Standard Data

Group	Sampling	N Rows	Vg/mL	Accepted	Std	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z	Outlier Within Group	Externally Outlier	
				Droplets	Dev(Vg/mL)							Studentized Residuals	Between Group
200% L01-240910	37	2	5.233e+10	18878	3273703267.4	6.2557892386	1.6e+1	1.2041199827	10.718757203	1.072	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Ok	-0.494	Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	223878275.12	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356	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	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	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	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	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	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	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	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

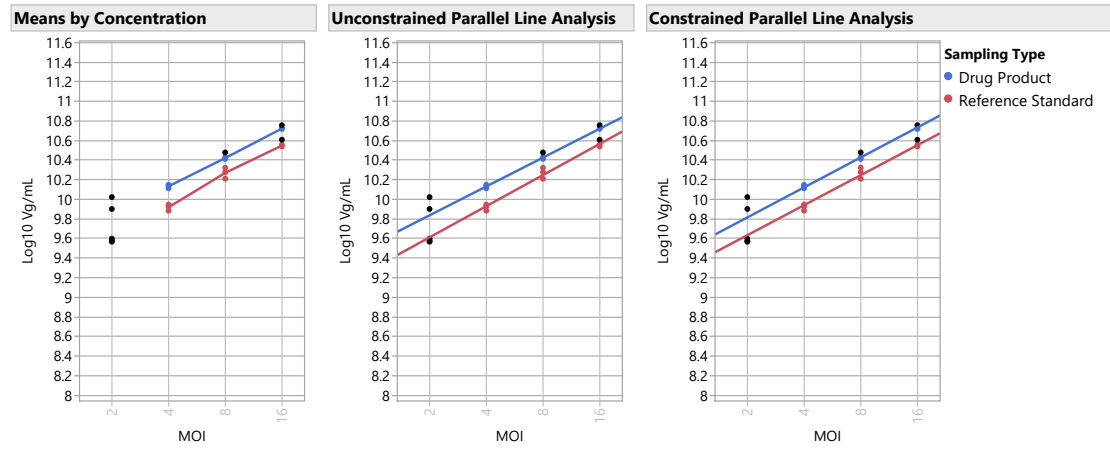
200% L01-240910 Test Sample & Reference Standard Summary Statistics

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	Linearity	R2	Validity	Selected Model
	Slope Ratio	Ratio		RMSE Evaluation	
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	16.906	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)	.	5	0.000	Passed Validity Criteria	

200% L01-240910 Relative Infectivity and Infectious Particle Ratio

RI			Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower	CI Range as %					
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance	CI Range % of Tolerance	Check	OOS Validity
8.83	5.86	150.7	0	0	150.7	160.9	141.5	150	50	19.4	19.4	Bioassay Results are Reportable		
Assay is Valid and OOS														
Relative														
Unconstrained RI	Constrained RI	Infectivity Delta												
150.9	150.7	0.2												
Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit												
0.5	0.3	1.0												

100% L01-240910 & Reference Standard Data

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

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

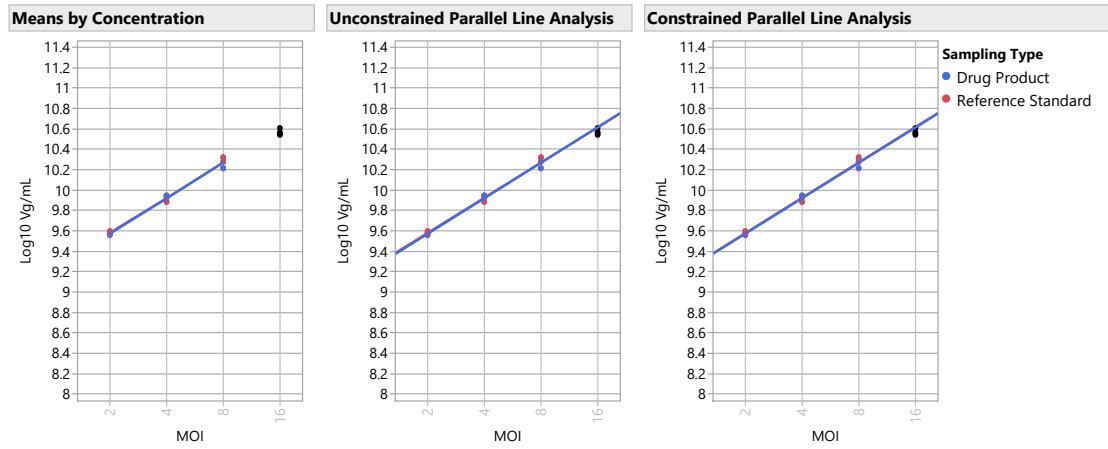
100% L01-240910 Test Sample & Reference Standard Summary Statistics

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	Linearity	R2	Validity	Selected Model
	Slope Ratio	Ratio		RMSE Evaluation	
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	Overall
			Results Assay Validity	Validity
Dose Response Test	.	0.05	0.000 Passed Validity Criteria	Assay is Valid
Reference Standard Curve Depth	2720000000	.	31600673338 Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)	.	15	0.000 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	16.906 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		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	CI Range % of Tolerance	Check OOS Validity
3.98		4.02	Uncorrected	Reference CF	0	0	99.0	103.8	94.4	150	50	9.3	9.3 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										
0.4		0.3	1.0										

50% 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	Outlier Within Group	Studentized Residuals	Externally Outlier Between Group
50% L01-240910	13	2	1.797e+10	19656.5	359645621.8	2.0013493063	1.6e+1	1.2041199827	10.254551883	1.552	Ok	0.765	Ok
50% L01-240910	14	2	1.130e+10	20631	235053015.22	2.0794349286	8e+0	0.903089987	10.053220492	1.811	Ok	2.381	Ok
50% L01-240910	15	2	5.246e+9	20620.5	325698869.5	6.2090657061	4e+0	0.6020599913	9.7197899954	1.597	Ok	1.099	Ok
50% L01-240910	16	2	2.863e+9	20059	133535135.16	4.6637199832	2e+0	0.3010299957	9.4568630835	1.884	Ok	1.434	Ok
50% L01-240910	17	2	1.555e+10	19717.5	489935793.6	3.1497867731	1.6e+1	1.2041199827	10.191858014	0.362	Ok	-0.503	Ok
50% L01-240910	18	2	8.920e+9	19954.5	145520323.79	1.6314329748	8e+0	0.903089987	9.9503544163	0.322	Ok	0.191	Ok
50% L01-240910	19	2	4.446e+9	20536.5	22592759.573	0.5081526529	4e+0	0.6020599913	9.6479750835	0.060	Ok	-0.314	Ok
50% L01-240910	20	2	2.457e+9	20746.5	3583547.517	0.1458313452	2e+0	0.3010299957	9.3904622856	0.042	Ok	0.053	Ok
50% L01-240910	21	2	1.433e+10	18854	691328511.13	4.8227318281	1.6e+1	1.2041199827	10.156391355	1.395	Ok	-1.245	Ok
50% L01-240910	22	2	7.986e+9	19410.5	272371628.48	3.410460901	8e+0	0.903089987	9.9023487925	1.109	Ok	-0.746	Ok
50% L01-240910	23	2	3.792e+9	19610	17206271.137	0.4537112028	4e+0	0.6020599913	9.5789072595	1.376	Ok	-1.732	Ok
50% L01-240910	24	2	2.165e+9	19152	13728570.717	0.6341816577	2e+0	0.3010299957	9.3354116483	1.275	Ok	-1.073	Ok
50% L01-240910	61	2	1.807e+10	18507	67065519.327	0.371135865	1.6e+1	1.2041199827	10.256966367	1.682	Ok	0.816	Ok
50% L01-240910	62	2	1.102e+10	19613.5	190120617.32	1.7258574881	8e+0	0.903089987	10.042024285	1.415	Ok	2.108	Ok
50% L01-240910	63	2	5.159e+9	19546	199264473.2	3.8622715539	4e+0	0.6020599913	9.7125870699	1.342	Ok	0.952	Ok
50% L01-240910	64	2	2.761e+9	19386.5	142914635.79	5.1765314071	2e+0	0.3010299957	9.4410378536	1.207	Ok	1.090	Ok
50% L01-240910	65	2	1.586e+10	19528	426059891.54	2.6857978728	1.6e+1	1.2041199827	10.200397327	0.150	Ok	-0.330	Ok
50% L01-240910	66	2	9.172e+9	19640	381089296.09	4.1548290727	8e+0	0.903089987	9.9624735888	0.137	Ok	0.427	Ok
50% L01-240910	67	2	4.472e+9	20154	205743731.17	4.6005207441	4e+0	0.6020599913	9.6505196182	0.016	Ok	-0.264	Ok
50% L01-240910	68	2	2.420e+9	19772	116728454.59	4.8244854223	2e+0	0.3010299957	9.3837257373	0.180	Ok	-0.082	Ok
50% L01-240910	69	2	1.472e+10	19282.5	392975759.31	2.6697350163	1.6e+1	1.2041199827	10.167897604	1.011	Ok	-0.999	Ok
50% L01-240910	70	2	7.776e+9	19753.5	311276312.65	4.0030128902	8e+0	0.903089987	9.8907590846	1.336	Ok	-0.978	Ok
50% L01-240910	71	2	3.776e+9	19467	89472972.022	2.3697464095	4e+0	0.6020599913	9.5769899896	1.423	Ok	-1.775	Ok
50% L01-240910	72	2	2.148e+9	19516	136835293.16	6.3705683843	2e+0	0.3010299957	9.332019945	1.372	Ok	-1.145	Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175	Ok	-0.776	Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499	Ok	-0.726	Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606	Ok	-0.674	Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366	Ok	-0.308	Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356	Ok	-0.361	Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083	Ok	0.630	Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243	Ok	0.184	Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157	Ok	-0.475	Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985	Outlier	0.795	Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823	Ok	1.626	Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397	Ok	0.574	Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157	Within Analytical Error	0.195	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

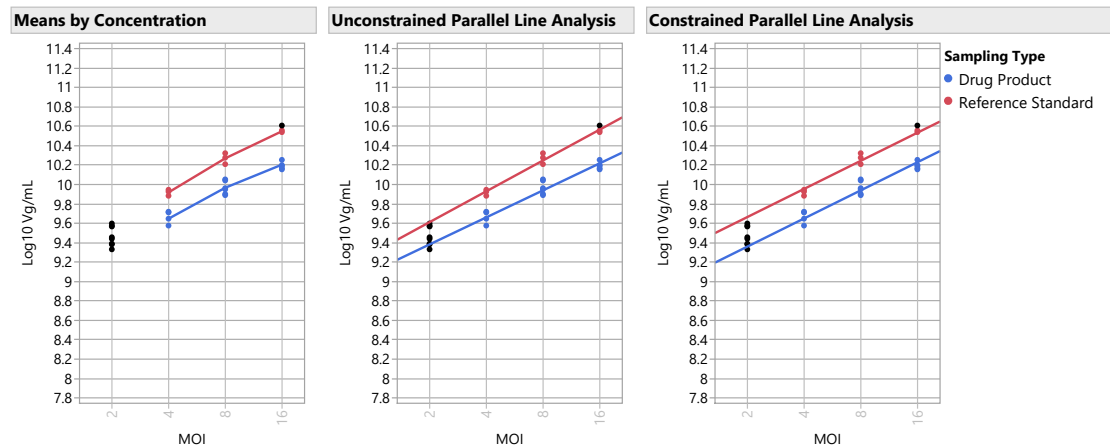
50% L01-240910 Test Sample & Reference Standard Summary Statistics

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	2e+0	6	2.47e+9	2.96e+8
50% L01-240910	4e+0	6	4.48e+9	6.35e+8
50% L01-240910	8e+0	6	9.36e+9	1.49e+9
50% L01-240910	1.6e+1	6	1.6e+10	1.6e+9

50% L01-240910 Model Selection

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.876	6.535	0.963	0.056 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.842	1.960	0.980	0.052 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.837	3.546	0.968	0.055 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.908	2.402	0.978	0.057 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.879	0.519	0.978	0.054 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.870	1.812	0.979	0.054 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.849	5.354	0.971	0.053 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.808	6.190	0.961	0.054 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.802	1.006	0.975	0.053 Parallel and Linear	

50% L01-240910 Graphs



50% 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	1.521	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.876	Passed Validity Criteria	
Linearity Ratio	.	26.3	6.535	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	16.906	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (< 10000)	.	5	0.000	Passed Validity Criteria	

50% 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	% of Tolerance Check	OOS Validity
4.70	9.75	48.3	0	0	48.3	51.6	44.9	150	50	6.7	6.7	Bioassay Results are Reportable	Assay is Valid and OOS

Unconstrained RI	Constrained RI	Relative Infectivity Delta
49.8	48.3	1.5

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
0.2	0.3	1.0

150% 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	Outlier Within Group	Externally Studentized Residuals	Outlier Between Group
150% L01-240910	25	2	4.333e+10	19449.5	1415326191.4	3.2663094426	1.6e+1	1.2041199827	10.636799217	0.616	Ok	0.128	Ok
150% L01-240910	26	2	2.527e+10	19744	642816777.6	2.5434988531	8e+0	0.903089987	10.4026555657	1.547	Ok	1.463	Ok
150% L01-240910	27	2	1.199e+10	19708.5	370403067.43	3.0902382741	4e+0	0.6020599913	10.078682607	0.931	Ok	-0.465	Ok
150% L01-240910	28	2	7.037e+9	20511	40166095.497	0.5707730578	2e+0	0.3010299957	9.8473961516	0.738	Ok	0.977	Ok
150% L01-240910	29	2	4.278e+10	19064	380998669.04	0.8906886483	1.6e+1	1.2041199827	10.631197541	0.857	Ok	-0.076	Ok
150% L01-240910	30	2	2.291e+10	19624.5	1437202301	6.2733021375	8e+0	0.903089987	10.360021699	0.714	Ok	-0.089	Ok
150% L01-240910	31	2	1.109e+10	20716	889172320.19	8.0163895138	4e+0	0.6020599913	10.045007123	1.258	Ok	-1.730	Ok
150% L01-240910	32	2	6.959e+9	19792	77086896.492	1.1077457191	2e+0	0.3010299957	9.842540481	0.408	Ok	0.792	Ok
150% L01-240910	33	2	4.239e+10	18382	931314530.59	2.1969287211	1.6e+1	1.2041199827	10.627280412	2.957	Ok	-0.220	Ok
150% L01-240910	34	2	2.265e+10	19918.5	228694495.38	1.0098965802	8e+0	0.903089987	10.35497881	0.982	Ok	-0.267	Ok
150% L01-240910	35	2	1.125e+10	20499	114153032.32	1.0149997396	4e+0	0.6020599913	10.051021522	0.803	Ok	-1.490	Ok
150% L01-240910	36	2	6.474e+9	19781.5	69066883.248	1.0668379646	2e+0	0.3010299957	9.8111713961	1.929	Ok	-0.363	Ok
150% L01-240910	73	2	4.346e+10	20242.5	164290989.13	0.3780442877	1.6e+1	1.2041199827	10.638071064	1.003	Ok	0.175	Ok
150% L01-240910	74	2	2.554e+10	19859.5	172756060.68	0.6764341882	8e+0	0.903089987	10.407207743	2.014	Ok	1.643	Ok
150% L01-240910	75	2	1.238e+10	20354	532896929.11	4.304486152	4e+0	0.6020599913	10.092721903	2.756	Ok	0.032	Ok
150% L01-240910	76	2	6.956e+9	20033.5	95618993.904	1.3746652481	2e+0	0.3010299957	9.8423472161	0.395	Ok	0.785	Ok
150% L01-240910	77	2	4.315e+10	20507.5	567354794.46	1.3147474299	1.6e+1	1.2041199827	10.635012399	0.148	Ok	0.063	Ok
150% L01-240910	78	2	2.312e+10	20364	1420489654.8	6.1439823415	8e+0	0.903089987	10.363988116	0.520	Ok	0.051	Ok
150% L01-240910	79	2	1.135e+10	21188.5	621413242.94	5.4769542447	4e+0	0.6020599913	10.054841391	0.555	Ok	-1.342	Ok
150% L01-240910	80	2	7.162e+9	19824.5	294757875.4	4.1154812625	2e+0	0.3010299957	9.8550447888	1.393	Ok	1.274	Ok
150% L01-240910	81	2	4.346e+10	19857	175599334.22	0.4040901983	1.6e+1	1.2041199827	10.638044549	0.994	Ok	0.174	Ok
150% L01-240910	82	2	2.293e+10	20353	694780318.29	3.0304863146	8e+0	0.903089987	10.36033518	0.698	Ok	-0.078	Ok
150% L01-240910	83	2	1.151e+10	19997.5	194500111.81	1.690454602	4e+0	0.6020599913	10.060916343	0.190	Ok	-1.111	Ok
150% L01-240910	84	2	6.534e+9	19613	156104914.68	2.3889408814	2e+0	0.3010299957	9.8152111738	1.464	Ok	-0.215	Ok
Ref.Std (L01-240910)	1	2	3.467e+10	18613.5	587669438.42	1.6949040913	1.6e+1	1.2041199827	10.539987978	1.175	Ok	-1.446	Ok
Ref.Std (L01-240910)	2	2	1.622e+10	19311.5	463230896.97	2.8555810473	8e+0	0.903089987	10.210103028	2.499	Ok	-1.348	Ok
Ref.Std (L01-240910)	3	2	7.657e+9	19803.5	231970536.3	3.0296105469	4e+0	0.6020599913	9.8840460225	3.606	Ok	-1.249	Ok
Ref.Std (L01-240910)	4	2	3.761e+9	19680.5	94431706.818	2.5108464532	2e+0	0.3010299957	9.5752976845	0.366	Ok	-0.563	Ok
Ref.Std (L01-240910)	5	2	3.614e+10	19200	2238782751.2	6.1939800559	1.6e+1	1.2041199827	10.55804215	0.356	Ok	-0.659	Ok
Ref.Std (L01-240910)	6	2	1.892e+10	19002.5	282808622.15	1.4950841497	8e+0	0.903089987	10.276827009	0.083	Ok	1.164	Ok
Ref.Std (L01-240910)	7	2	8.450e+9	18863	81272179.859	0.96178488	4e+0	0.6020599913	9.9268639631	0.243	Ok	0.334	Ok
Ref.Std (L01-240910)	8	2	3.695e+9	18885.5	10054551.433	0.2720908438	2e+0	0.3010299957	9.5676487726	1.157	Ok	-0.872	Ok
Ref.Std (L01-240910)	9	2	4.060e+10	18942	2841771707.6	7.0001149946	1.6e+1	1.2041199827	10.608484012	4.985	Outlier	1.446	Ok
Ref.Std (L01-240910)	10	2	2.104e+10	20346	443443222.92	2.1074118715	8e+0	0.903089987	10.3230886	1.823	Ok	3.314	Ok
Ref.Std (L01-240910)	11	2	8.837e+9	20066	112974810.7	1.2784101859	4e+0	0.6020599913	9.9463114	1.397	Ok	1.058	Ok
Ref.Std (L01-240910)	12	2	3.968e+9	20399	132165288.52	3.3311430456	2e+0	0.3010299957	9.5985241259	5.157	Within Analytical Error	0.356	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 Test Sample & Reference Standard Summary Statistics

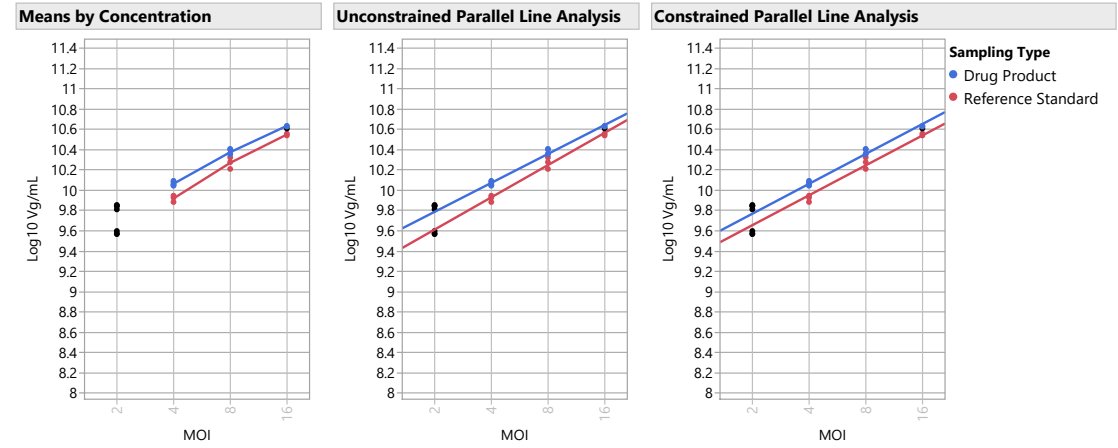
Group	MOI	N Rows	Mean(Vg/mL)	Std Dev(Vg/mL)
Ref.Std (L01-240910)	2e+0	3	3.81e+9	1.42e+8
Ref.Std (L01-240910)	4e+0	3	8.31e+9	6.02e+8
Ref.Std (L01-240910)	8e+0	3	1.9e+10	2.42e+9
Ref.Std (L01-240910)	1.6e+1	2	3.5e+10	1.04e+9
150% L01-240910	2e+0	6	6.85e+9	2.82e+8
150% L01-240910	4e+0	6	1.2e+10	4.93e+8
150% L01-240910	8e+0	6	2.4e+10	1.31e+9
150% L01-240910	1.6e+1	6	4.3e+10	4.28e+8

150% L01-240910 Model Selection

Model	Parallelism Slope Ratio	Linearity Ratio	R2	Validity RMSE Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.898	4.785	0.989	0.029 Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.825	0.245	0.993	0.029 Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.782	4.825	0.988	0.031 Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.869	4.292	0.994	0.028 Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.852	1.202	0.991	0.029 Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.849	4.438	0.984	0.033 Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.827	3.653	0.994	0.027 Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.822	0.200	0.989	0.032 Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.785	1.865	0.994	0.028 Parallel and Linear	

150% L01-240910 Graphs





150% 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	1.830	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.898	Passed Validity Criteria	
Linearity Ratio	.	26.3	4.785	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	16.906	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)	.	5	0.000	Passed Validity Criteria	

150% L01-240910 Relative Infectivity and Infectious Particle Ratio

EC50 Ref	EC50 Test	RI	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 of Tolerance	CI Range as % of Tolerance	% of Tolerance Check	OOS Validity
9.36	7.18	130.4	0	0	130.4	135.2	125.8	150	50	9.4	9.4	Bioassay Results are Reportable	Assay is Valid and Within Limits

Unconstrained RI	Constrained RI	Relative Infectivity Delta
128.5	130.4	1.8

Infectious Particle Ratio	Infectious Particle Ratio Lower Limit	Infectious Particle Ratio Upper Limit
0.4	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	4.7038667465	9.7469902675	0.2	48.3	44.9	51.6
150% L01-240910	9.3592156097	7.1792230588	0.4	130.4	125.8	135.2
200% L01-240910	8.8323386383	5.8607726426	0.5	150.7	141.5	160.9
100% L01-240910	3.9797170781	4.0203862953	0.4	99.0	94.4	103.8
50% L01-240910	4.7038667465	9.7469902675	0.2	48.3	44.9	51.6
150% L01-240910	9.3592156097	7.1792230588	0.4	130.4	125.8	135.2

Sample Name	Overall Validity	OOS	Reportable
50% L01-240910	Assay is Valid	OOS	Reportable
150% L01-240910	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	Assay is Valid	OOS	Reportable
150% L01-240910	Assay is Valid	Within Limits	Reportable

Astellas KT430 Infectivity Bioassay Materials and Reference Standard Report

Assay Details

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

Notes

Assay Range Check

Materials

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

Reference Details

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

Input Files - Configuration File and Plate File(s)



[illegible]

	Sample	Sample	Sample	Sample	Conc(copies/ µL)	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted			
Well	description 1	description 2	description 3	description 4	Target							Droplets	Positives	Negatives	
F12	PC				BDNF	1202.61377	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	17535	11226	6309
	Sample	Sample	Sample	Sample	Conc(copies/ µL)	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	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		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					