

## **Astellas BQT Assay Report**

**Test Article Report** 

Approver Signature/Date

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

**Astellas BQT Infectivity Files** 

First Data FileSecond Data File18OCT2024\_Plate01\_KL-S318OCT2024\_Plate01\_KL-S4

# 50% L01-240910\_1 & Reference Standard Data Accepted Std Group Sampling N.Pows Vo(ml. Deplets Dev(Vo(ml.) CV(Vo(ml.) MOL. Log10 MOL. Log10 Vo(ml.) as

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

Within Group Jackknife z Outlier Limit (≥): 4

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

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

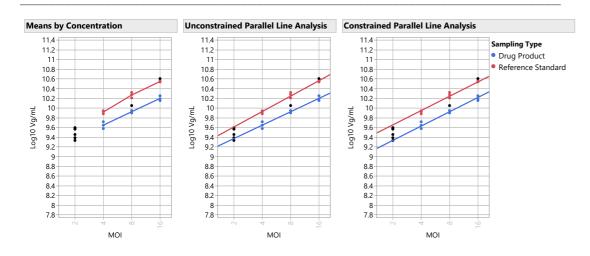
#### 50% L01-240910\_1 Test Sample & Reference Standard Summary Statistics

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

#### 50% L01-240910\_1 Model Selection

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

## 50% L01-240910\_1 Graphs



## 50% L01-240910\_1 Validity Report

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

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

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

#### 150% L01-240910\_1 & Reference Standard Data

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

Within Group Jackknife z Outlier Limit (≥): 4

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

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

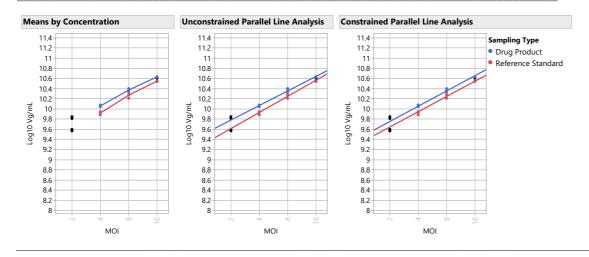
#### 150% L01-240910\_1 Test Sample & Reference Standard Summary Statistics

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

#### 150% L01-240910\_1 Model Selection

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

## 150% L01-240910\_1 Graphs



## 150% L01-240910\_1 Validity Report

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

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

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %		
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance	CI Range % of Tolerance Check	OOS Validity
8.77	6.83	128.4	0	0	128.4	136.4	121.1	150	50	15.2	15.2	Bioassay Results are Reportable	Assay is Valid and Within Lim
		Rela	itive										
Unconstrained F	RI Constrained	RI Infectivity D	elta										
128.	.2 128	.4	0.2										
Infectious	Infectious Partic	le Infectious P	article										
Particle Ratio	Ratio Lower Lim	nit Ratio Uppe	r Limit										
1.7	0	.3	1.0										

#### 200% L01-240910 & Reference Standard Data

				Accepted	Std							Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z	Outlier Within Group	Studentized Residuals Between Group
200% L01-240910	37	2	5.233e+10	18878	3273703267.4	6.2557892386	1.6e+1	1.2041199827	10.718757203	1.072	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	2238782751.2	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

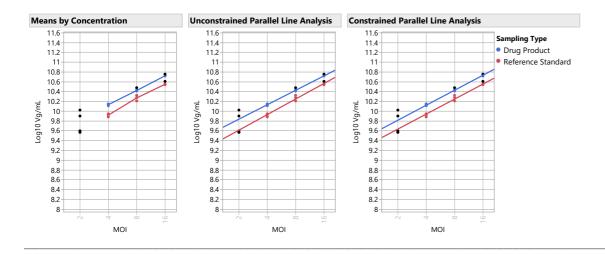
## 200% L01-240910 Test Sample & Reference Standard Summary Statistics

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

#### 200% L01-240910 Model Selection

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

# 200% L01-240910 Graphs



## 200% L01-240910 Validity Report

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

# 200% L01-240910 Relative Infectivity and Infectious Particle Ratio

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %	
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	e of Tolerance CI Range % of Tolerance Chec	k 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 Reportab	le Assay is Valid and OO
		Rela	ative									
Unconstrained	RI Constrained	RI Infectivity D	elta									
150	0.9 150	.7	0.2									
Infectious	Infectious Partic	le Infectious P	article									
Particle Ratio	Ratio Lower Lim	it Ratio Uppe	r Limit									
2.0	0	.3	1.0									

#### 100% L01-240910 & Reference Standard Data

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

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

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

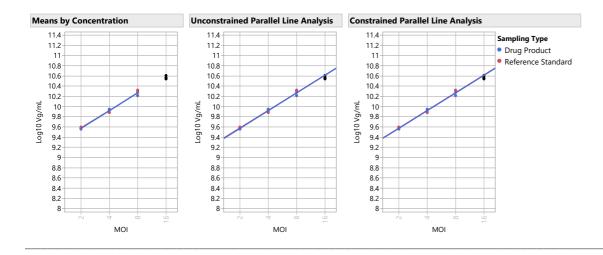
## 100% L01-240910 Test Sample & Reference Standard Summary Statistics

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

#### 100% L01-240910 Model Selection

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

# 100% L01-240910 Graphs



## 100% L01-240910 Validity Report

			Validity		Overall
Validity Criteria	LSL	USL	Results	Assay Validity	Validity
Dose Response Test		0.05	0.000	Passed Validity Criteria	Assay is 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

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

50% L01-240910\_2 & Reference Standard Data

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

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

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

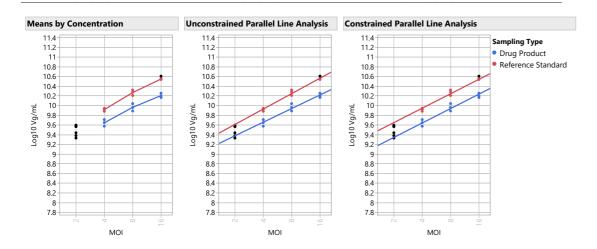
## 50% L01-240910\_2 Test Sample & Reference Standard Summary Statistics

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

#### 50% L01-240910\_2 Model Selection

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

# 50% L01-240910\_2 Graphs



#### 50% L01-240910\_2 Validity Report

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

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

		RI		Reference	Relative Infectivity	Assay RI	Assay RI	Upper	Lower		CI Range as %
EC50 Ref	EC50 Test	Uncorrected	Reference CF	Stability CF	Reportable Result	Upper 95%	Lower 95%	Spec Limit	Spec Limit	CI Range	of Tolerance CI Range % of Tolerance 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
		Rela	itive								
Unconstrained	RI Constrained I	RI Infectivity D	elta								
49	.3 49	.1	0.2								
Infectious	Infectious Partic	le Infectious P	article								
Particle Ratio	Ratio Lower Lim	it Ratio Uppe	r Limit								
		.3									

#### 150% L01-240910\_2 & Reference Standard Data

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

Within Group Jackknife z Outlier Limit (≥): 4

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

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

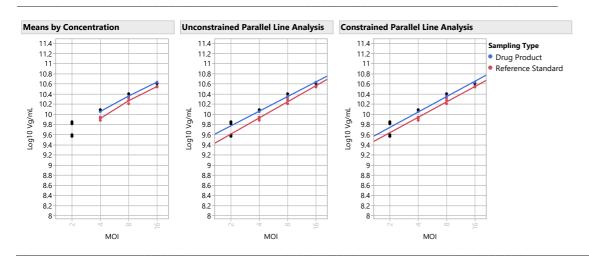
## 150% L01-240910\_2 Test Sample & Reference Standard Summary Statistics

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

## 150% L01-240910\_2 Model Selection

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

## 150% L01-240910\_2 Graphs



## 150% L01-240910\_2 Validity Report

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

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

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

#### **Relative Infectivity All Samples**

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

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

#### Astellas BQT Infectivity Bioassay Materials and Reference Standard Report

### Assay Details

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

Notes Assay Range Check

## Materials

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

## Reference Details

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

Input Files - Configuration File and Plate File(s)

		Location of Sample										
System Suitability and Limits	Limit Colum	in 3 on Extracted DNA plate (	Column 5	1	2	3	4	. 5	6	7	8	9
Lower Specification Limit (≥)	50.00	1	A	1	5	9	13	17	21	25	29	33
Upper Specification Limit (≤)	150.00	E	3	2	6	10	14	18	22	26	30	34
Reference Standard Curve Depth (≥)	2720000000.00		:	3	7	11	15	19			31	35
Unconstrained EC50 Standard Lower Limit (≥)	0.04	[	)	4	8	12	16	20	24	28	32	36
Unconstrained EC50 Standard Upper Limit (≤)	61.80			49	53	57					77	81
% Relative Infectivity Delta (Constrained – Unconstrained) (≤)	15.00			50	54	58	62			74	78	82
Within Group Jackknife z Outlier Limit (<)	4.00		ŝ	51	55	59			71		79	83
Between Group Studentized Residuals Outlier Limit (<)	4.00	1		52	56	60					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	dar en map i late i	Α	3000	3000	3000					3000	3000
fixed position for ec50	10.00	· ·		3000	3000	3000			3000		3000	3000
ec50 reference concentration target	4.74		:	3000	3000	3000					3000	3000
fixed position for Test article for Infectious Particles Ratio Equation	10.00		)	3000	3000	3000					3000	3000
Infectious Particles Ratio Lower Specification Limit (≥)	0.30			3000	3000	3000					3000	3000
Infectious Particles Ratio Upper Specification Limit (≤)	1.00			3000	3000	3000					3000	3000
Failed Accepted Droplets Upper Limit (≤)	5.00		3	3000	3000	3000					3000	3000
railed Accepted Dioplets Opper Little (5)	3.00		- -	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)			Α	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 1 (25-36)		E	3	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 2 (37-48)			:	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 3 (49-60)		[	)	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 4 (61-72)				6000	6000	6000			6000		6000	6000
Sample 5 (73-84)			:	6000	6000	6000	6000	6000	6000	6000	6000	6000
			3	6000	6000	6000					6000	6000
Total Number of Plates	2.00		+	6000	6000	6000			6000		6000	6000
MOI Concentrations												
16												
8												
4												
2												

	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Target	Conc(copies/ µL)	Status	Experiment	SampleType	TargetType				DyeName(s)	Accepted Droplets	Positives	Negative
004	2	50	REP1		BDNF	184.5901031	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20749	3013	1773
04	4	50	REP1			334.3489075		DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	21194	5243	159
04	8	50	REP1		BDNF	742.4992676	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20895	9779	1111
104	16	50	REP1			1214.964355		DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19835	12773	70
	2	50.2	REP1			177.3175049		DQ	Unknown	Unknown	ddPCR Supermix				18962	2653	163
	4	50.2	REP1			334.5569763		DQ	Unknown	Unknown	ddPCR Supermix				20116	4979	151
	8	50.2	REP1			743.3629761		DQ	Unknown	Unknown	ddPCR Supermix				19571	9167	104
	16	50.2	REP1		BDNF	1207.850952		DQ	Unknown	Unknown	ddPCR Supermix				18099	11616	64
101	2	100.2	REP1		BDNF	234.0956421	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	18400	3320	150
01	4	100.2	REP1		BDNF	495.1268005	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	21015	7219	137
01	8	100.2	REP1		BDNF	1095.296021	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19345	11720	76
01	16	100.2	REP1		BDNF	2365.355713	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	18004	15593	24
07	2	150	REP1		BDNF	467.249176	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20209	6624	135
07	4	150	REP1		BDNF	781.6210327	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19118	9280	98
07	8	150	REP1		BDNF	1654.55957	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19667	14848	48
07	16	150	REP1		BDNF	2955.455811	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19804	18198	16
107	2	150.2	REP1		BDNF	459.212616	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19640	6347	132
07	4	150.2	REP1		BDNF	800.2147217	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20921	10324	105
07	8	150.2	REP1		BDNF	1710.758911	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19375	14849	45
07	16	150.2	REP1		BDNF	2889.464111	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20729	18951	17
10	2	200	REP1		BDNF	708.2276611	OK	DQ	Unknown	Unknown	ddPCR Supermix				20076	9080	109
10	4	200	REP1		BDNF	977.4855957	OK	DQ	Unknown	Unknown	ddPCR Supermix				20357	11488	88
10	8	200	REP1		BDNF	2041.050293	OK	DQ	Unknown	Unknown	ddPCR Supermix				18286	15060	32
10		200	REP1		BDNF	3643.04248	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	18450	17616	8
01		RS	REP1		BDNF	246.2785187	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20320	3838	164
	4	RS	REP1			499.5166321		DQ	Unknown	Unknown	ddPCR Supermix				20800	7196	136
	8	RS	REP1			1059.626343		DQ	Unknown	Unknown	ddPCR Supermix				19198	11398	78
.01		RS	REP1		BDNF	2283.812012		DQ	Unknown	Unknown	ddPCR Supermix				20296	17383	29
	2	50	REP2		BDNF	163.9904785		DQ	Unknown	Unknown	ddPCR Supermix				20805	2707	180
05		50	REP2			295.3388062		DQ	Unknown	Unknown	ddPCR Supermix				21184	4703	164
05		50	REP2		BDNF	601.5122681		DQ	Unknown	Unknown	ddPCR Supermix				19579	7837	117
.05		50	REP2		BDNF	1060.067139		DQ	Unknown	Unknown	ddPCR Supermix				19902	11819	80
05		50.2	REP2			166.8026733		DQ	Unknown	Unknown	ddPCR Supermix				19472	2574	168
05		50.2	REP2		BDNF	307.8444214		DQ	Unknown	Unknown	ddPCR Supermix				19376	4461	149
	8	50.2	REP2		BDNF	629.4448242		DQ	Unknown	Unknown	ddPCR Supermix				19293	7994	112
05		50.2	REP2			1077.647217		DQ	Unknown	Unknown	ddPCR Supermix				18922	11351	75
02		100.2	REP2			239.5184174		DQ	Unknown	Unknown	ddPCR Supermix				19435	3580	158
02		100.2	REP2			557.3325195		DQ	Unknown	Unknown	ddPCR Supermix				19344	7299	120
	8	100.2	REP2			1246.139404		DQ	Unknown	Unknown	ddPCR Supermix				18666	12194	64
	16	100.2	REP2			2541.648682		DQ	Unknown		ddPCR Supermix				19275	17053	22
008		150	REP2		BDNF	467.5604553		DQ	Unknown	Unknown	ddPCR Supermix				19576	6420	131
08		150	REP2			697.5460205		DQ	Unknown	Unknown	ddPCR Supermix				20687	9253	114
	8	150	REP2			1459.571045		DQ	Unknown	Unknown	ddPCR Supermix				19260	13690	55
.08		150	REP2		BDNF	2833.755615		DQ	Unknown	Unknown	ddPCR Supermix				18903	17203	17
108		150.2	REP2			463.5831604		DQ	Unknown	Unknown	ddPCR Supermix				19025	6196	128
	4	150.2	REP2			727.1038818		DQ	Unknown	Unknown	ddPCR Supermix				21256	9799	114
	8	150.2	REP2			1474.371826		DQ	Unknown	Unknown	ddPCR Supermix				20971	14982	59
08		150.2	REP2			2850.130615		DQ	Unknown	Unknown	ddPCR Supermix				20645	18814	18
	2	200	REP2			516.6569824		DQ	Unknown	Unknown	ddPCR Supermix				18381	6533	118
11		200	REP2			885.7620239		DQ	Unknown	Unknown	ddPCR Supermix				20155	10662	94
11		200	REP2			1786.702759		DQ	Unknown	Unknown	ddPCR Supermix				20119	15713	44
.11	16	200	REP2		BDNF	3792.115479		DQ	Unknown		ddPCR Supermix				17904	17191	7
	2					246.8267822				Unknown							
02		RS	REP2					DQ	Unknown	Unknown	ddPCR Supermix				19862	3759 7013	161
02 02		RS	REP2			567.1739502 1274.391724		DQ	Unknown		ddPCR Supermix				18334	7013	113
02		RS	REP2			2515.170166		DQ	Unknown	Unknown	ddPCR Supermix				19099	12634	
02 06		RS 50	REP2					DQ	Unknown	Unknown	ddPCR Supermix				19321	17043	22
06		50	REP3			143.6707916		DQ	Unknown	Unknown	ddPCR Supermix				18572	2135	164
06		50	REP3			253.6337738		DQ	Unknown	Unknown	ddPCR Supermix				18692	3625	150
06 06		50	REP3			545.2636108		DQ	Unknown	Unknown	ddPCR Supermix				19234	7134	121
06 06		50	REP3			988.2422485		DQ	Unknown	Unknown	ddPCR Supermix				18765	10664	16
06		50.2	REP3			136.7447968		DQ	Unknown	Unknown	ddPCR Supermix				18454	2025	164
06		50.2	REP3			247.4911957		DQ	Unknown	Unknown	ddPCR Supermix				18296	3471	148
	8	50.2	REP3			533.0770874		DQ	Unknown	Unknown	ddPCR Supermix				19094	6957	121
06		50.2	REP3			999.8353271		DQ	Unknown	Unknown	ddPCR Supermix				18628	10665	79
103		100.2	REP3			250.3984985		DQ	Unknown	Unknown	ddPCR Supermix				19743	3785	159
03		100.2	REP3			583.6205444		DQ	Unknown	Unknown	ddPCR Supermix				19272	7537	117
	8	100.2	REP3			1390.483887		DQ	Unknown	Unknown	ddPCR Supermix				21070	14608	64
	16	100.2	REP3			2817.72583		DQ	Unknown	Unknown	ddPCR Supermix				18713	17007	17
	2	150	REP3			434.8545532		DQ	Unknown	Unknown	ddPCR Supermix				18540	5729	128
)9		150	REP3			744.3925781		DQ	Unknown	Unknown	ddPCR Supermix				20618	9667	109
	8	150	REP3			1498.908447		DQ	Unknown	Unknown	ddPCR Supermix				19636	14144	54
09		150	REP3			2870.013184		DQ	Unknown	Unknown	ddPCR Supermix				16903	15429	14
	2	150.2	REP3			428.2732849		DQ	Unknown	Unknown	ddPCR Supermix				18592	5673	129
	4	150.2	REP3				OK	DQ	Unknown	Unknown	ddPCR Supermix				19237	9136	10
	8	150.2	REP3			1495.671997		DQ	Unknown	Unknown	ddPCR Supermix				21265	15301	5!
	16	150.2	REP3		BDNF	2888.75415		DQ	Unknown	Unknown	ddPCR Supermix				19295	17639	16
12		200	REP3			527.0714111		DQ	Unknown	Unknown	ddPCR Supermix				18582	6710	118
12	4	200	REP3		BDNF	854.7813721	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19991	10324	96
12	8	200	REP3		BDNF	1723.79187	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	20634	15867	47
12	16	200	REP3		BDNF	3631.812012	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	19699	18800	8
03	2	RS	REP3		BDNF	270.7347107	OK	DQ	Unknown	Unknown	ddPCR Supermix	for Probes (I	No dUTP)	FAM	21059	4329	167
		RS	REP3		DDNIE	583.8165283	OI	DQ	Unknown	Unknown	ddPCR Supermix	f D 1 (1	NI - JUITON	EAN4	20742	8114	126

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

# BQT Infectivity\_18Nov2024-18-12-04

الم/۸	Sample	Sample	Sample	Sample		Conc(copies/							Accepted		
		description 2		description 4	-				SampleType			DyeName(s)	Droplets	Positives	Negative
03		RS	REP3						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21479	15075	640
.03		RS	REP3						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19714	17951	176
	NTC NTC						CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) ddPCR Supermix for Probes (no dUTP)		19126 20944	0	1912 2094
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		18778	0	1877
	PC				BDNF	1280.408691			Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		18318	12149	616
	PC					1218.153198			Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		19227	12400	682
12	PC				BDNF	1202.61377	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		17535	11226	630
	Sample	Sample	Sample	Sample		Conc(copies/							Accepted		
Vell 001		description 2 RS	description 3 REP1	description 4		μL) 127.5908127		Experiment DQ	SampleType Unknown	TargetType Unknown	Supermix ddPCR Supermix for Probes (No dUTP)	DyeName(s)	Droplets 19041	Positives 1957	Negative 1708
201		RS	REP1						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18807	3738	1506
	8	RS	REP1		BDNF	551.6500854			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19425	7271	1215
<b>\</b> 01	16	RS	REP1		BDNF	1169.609009	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	16931	10666	626
010	2	200	REP1		BDNF	348.1827393	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20431	5234	1519
10		200	REP1			450.1703796			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20145	6405	137
310		200	REP1						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19405	11009	83
110		200	REP1			1667.197388			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19306	14626	46
107 307		150.2 150.2	REP1			234.1138306 425.228363			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20427 19787	3686 6002	167- 137
	8	150.2	REP1			847.2356567			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20344	10443	99
	16	150.2	REP1			1452.476807			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19756	14008	57
007		150	REP1			235.5180359			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20813	3776	170
207	4	150	REP1		BDNF	408.2714844	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20299	5952	143
307		150	REP1		BDNF	857.5824585	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19821	10259	95
107		150	REP1			1411.008789			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19095	13340	57
	2	100.2	REP1						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17071	1795	152
501		100.2	REP1			259.6535645			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18435	3651	147
01		100.2	REP1			548.6073608			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17108	6376	107
:01 :104	16	100.2 50.2	REP1			1206.892456 95.39581299			Unknown	Unknown Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18313 19811	11748 1543	65 182
104 304		50.2	REP1			176.6719055			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18976	2646	163
	8	50.2	REP1			362.7191162			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19656	5215	144
	16	50.2	REP1		BDNF	600.7639771			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18915	7564	113
	2	50	REP1			98.58995819			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19369	1557	178
04		50	REP1			182.5280457			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20047	2881	171
304	8	50	REP1		BDNF	382.3301392	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20367	5651	147
104		50	REP1			590.5283203			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19478	7687	117
002		RS	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17909	1777	161
202		RS	REP2			279.7557678			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19392	4104	152
302		RS	REP2			623.8641357			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18906	7781	111:
02 011		RS 200	REP2 REP2			1152.047852 277.4240723			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19079 19822	11913 4164	71 156
11		200	REP2			471.7400513			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21018	6943	140
311		200	REP2			902.1112671			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20704	11087	96
111		200	REP2			1909.904663			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18943	15207	373
80h	2	150.2	REP2		BDNF	245.6865997	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20624	3887	167
308	4	150.2	REP2		BDNF	392.8456421	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21121	5996	1512
80		150.2	REP2			804.1484375			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19757	9783	99
80		150.2	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20370	14440	593
	2	150	REP2		BDNF			DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20008	3555	164
08 308		150 150	REP2 REP2			390.6889954 797.5358887			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20745 19989	5862 9841	148
408		150	REP2			1434.838257			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19225	13547	56
102		100.2	REP2			No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		5936	0	593
502		100.2	REP2			276.0016174			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18148	3795	143
02	8	100.2	REP2		BDNF	635.269165	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19061	7953	111
02		100.2	REP2			1189.354614			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19625	12484	71-
105		50.2	REP2			77.89870453			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20072	1286	187
505		50.2	REP2			144.2233582			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20932	2415	185
	16	50.2	REP2 REP2			296.7576904			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19987 20134	4456 7179	155 129
05		50.2 50	REP2			518.7389526 81.8263092			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20134	1390	192
205		50	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19889	2362	175
305		50	REP2			293.8962402			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20330	4494	158
A05		50	REP2			506.9377747			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19533	6838	1269
003		RS	REP3						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19739	2052	176
203		RS	REP3			297.2339478			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19390	4329	150
303		RS	REP3			690.9505005			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19213	8534	106
03 012		RS 200	REP3 REP3			1286.221191 267.4780579			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18170 20338	12081 4136	162
12		200	REP3			436.5787354			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19502	6046	134
312		200	REP3			861.7636108			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19825	10295	95
112		200	REP3			1737.889526			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19827	15301	45
109		150.2	REP3			221.4954987			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20634	3541	170
509		150.2	REP3			388.1106567			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20758	5833	149
	8	150.2	REP3			780.5882568			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19441	9428	100
	16	150.2	REP3			1452.654907			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20419	14479	59
009		150	REP3			214.1714325			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21023	3499	175
09 200		150	REP3			377.5775146 760.2349854			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20380 20201	5595 9615	147 105
309 309	16	150 150	REP3			1391.104004			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19861	9615 13773	105
103		100.2	REP3			131.9998474			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19089	2026	170
503		100.2	REP3			298.2965698			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20133	4509	156
03		100.2	REP3			668.2131348			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20557	8908	116
03		100.2	REP3			1320.705322			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18775	12665	61
106		50.2	REP3			74.82287598			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20578	1268	193
506		50.2	REP3			127.9633942			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20638	2127	185
06		50.2	REP3			251.8648376			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20413	3934	164
	16	50.2	REP3			481.3926086			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19937	6695	132
006		50	REP3			72.48256683			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19732	1179	185
06 306		50	REP3 REP3			126.0057755 259.7920837			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20528 19587	2085 3881	184 157
406		50	REP3			461.5315857			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18943	6147	127
	NTC	50	. (E1 )				CHECK		Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20488	0	204
	NTC						CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		21273	0	212
	NTC						CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		20600	0	206
						1441.094727			Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		20444	14438	600
12	PC														
12	PC PC				BDNF	1468.046875	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)	FAM	20465	14589	58