

## **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 File Second Data File

18OCT2024\_Plate03\_KL-S3 18OCT2024\_Plate03\_KL-S4

50% L01-240910\_1 & Reference Standard Data

#### Accepted Externally Outlier Group Vg/mL Droplets Dev(Vg/mL) CV(Vg/mL) MOI Log10 MOI Log10 Vg/mL Jackknife z Within Group Studentized Residuals Between Group 50% L01-240910\_1 1.846e+10 19212 1046797271.2 5.669173539 10.26634283 2.307 Pass 1.6e+1 1.2041199827 10.062139794 2.075 Ok 50% L01-240910 1 1.154e+10 20496 133015616.6 1.1528235451 2.656 Pass 50% L01-240910\_1 20282 177405513.34 3.2830346726 5.404e+9 8e+0 0.903089987 9.7326916431 1.807 Pass 0.940 Ok 15 50% L01-240910\_1 2.944e+9 19460.5 56060299.031 1.9039125695 4e+0 0.6020599913 9.4690084089 1.672 Ok 50% L01-240910\_1 1.643e+10 19077.5 1033162251.4 6.2868996979 10.215731998 0.043 Pass 50% L01-240910\_1 19732.5 188463982.8 1.9924404129 1.6e+1 1.2041199827 9.9758430228 0.112 Pass 0.097 Ok 9.459e+9 18 50% L01-240910\_1 4.726e+9 20131.5 98091321.701 2.075351646 8e+0 0.903089987 9.6745388925 20294 40150072.104 1.5738839181 19522 173507016.57 1.1853448318 4e+0 0.6020599913 9.4067136317 50% L01-240910\_1 20 2.551e+9 0.033 Pass 0.289 Ok 50% L01-240910 1 1.464e+10 10.165472332 1.958 Pass 50% L01-240910\_1 1.6e+1 1.2041199827 9.9003695043 7.950e+9 19997 155852437.26 1.9603972923 -1.508 Ok 8e+0 0.903089987 9.5860906454 50% L01-240910\_1 3.856e+9 20129.5 151481358.05 3.9288780116 2.526 Pass -1.922 Ok 4e+0 0.6020599913 9.3261689162 50% L01-240910 1 2.119e+9 20119.5 64724449.5 3.0542138986 2.259 Pass -1.394 Ok Ref.Std (L01-240910) 3.706e+10 18978 760275303.25 2.0513230621 10.56893682 0.993 Pass Ref.Std (L01-240910) 1.676e+10 19425 448865633.8 2.6779458075 1.6e+1 1.2041199827 10.224314572 -1.326 Ok Ref.Std (L01-240910) 7.894e+9 19283 173809988.84 2.2019327821 8e+0 0.903089987 9.8972706745 2.803 Pass -0.622 Ok 19900.5 119963713.77 3.3714963187 4e+0 0.6020599913 9.5512272121 Ref.Std (L01-240910) 3.558e+9 1.253 Pass -0.494 Ok Ref.Std (L01-240910) 3.782e+10 19498 2633987435.9 6.9650394744 Ref.Std (L01-240910) 1.968e+10 19161.5 988424708.4 5.0234907393 1.6e+1 1.2041199827 10.293937987 0.116 Pass 0.128 Ok 19226 368054388.21 4.2113957236 8e+0 0.903089987 9.9414859483 Ref.Std (L01-240910) 8.739e+9 0.137 Pass 0.173 Ok Ref.Std (L01-240910) 3.686e+9 19778.5 16840666.879 0.4568279827 4e+0 0.6020599913 9.5666065868 -0.186 Ok Ref.Std (L01-240910) 4.155e+10 19128 1958531281.1 4.7134708372 10.618589688 7.706 Pass 1.6e+1 1.2041199827 10.337832323 1.034 Ok Ref.Std (L01-240910) 2.177e+10 20050 122498999.17 0.562730193 1.723 Pass 19816.5 38582938.215 0.4144158489 8e+0 0.903089987 9.9689589413 Ref.Std (L01-240910) 1.661 Pass 0.673 Ok 9.310e+9 Ref.Std (L01-240910) 12 4.019e+9 20427 40014284.268 0.9957034587 4e+0 0.6020599913 9.6040850374

With the Comment of the Second Continue Control (C.).

Between Group Externally Studentized Residuals Outlier Limit ( $\geq$ ): 4

 $\label{eq:controller} \textbf{Accepted Droplets: Invalid wells with < 10,000 accepted droplets excluded from all calculations}$ 

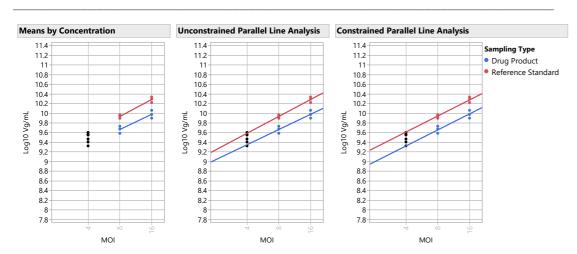
#### 50% L01-240910\_1 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.9e+10	2.4e+9
Ref.Std (L01-240910)	4e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	8e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.51e+9
50% L01-240910_1		3	1.7e+10	1.91e+9
50% L01-240910_1	4e+0	3	2.54e+9	4.13e+8
50% L01-240910_1	8e+0	3	4.66e+9	7.76e+8
50% L01-240910_1	1.6e+1	3	9.65e+9	1.8e+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	0.901	0.000	0.946	0.064	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.814	1.501	0.971	0.058	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.729	0.000	0.947	0.056	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.886	0.928	0.965	0.056	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.870	0.000	0.927	0.059	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.828	4.039	0.968	0.064	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.800	3.900	0.948	0.060	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.755	0.000	0.977	0.062	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.742	1.009	0.978	0.054	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		35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.089	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.901	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.138	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		1	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
8.37	15.29	54.8	0	0	54.8	62.1	46.5	150	50	15.6	15.6 Bioassay Results are Reportable Assay is Valid and Within Limit
Unconstrained	RI Constrained										
Infectious	Infectious Partic Ratio Lower Lim	le Infectious P	article								
0.5	0	.3	1.0								

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

				Accepted	Std					Outlier	Externally	Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Within Group	Studentized Residuals	Between Group
150% L01-240910_1	25	2	4.418e+10	19996	1117564494.5	2.5297475867			10.645195405	6.522 Pass		
150% L01-240910_1	26	2	2.550e+10	20365.5	562893082.9	2.2074702976	1.6e+1	1.2041199827	10.406531043	80.472 Pass	1.547	Ok
150% L01-240910_1	27	2	1.230e+10	20080.5	129517198.73	1.0529509883	8e+0	0.903089987	10.089919286	5.187 Pass	-0.078	Ok
150% L01-240910_1	28	2	7.105e+9	20666.5	120860492.39	1.7010399847	4e+0	0.6020599913	9.851569837	0.478 Pass	0.816	Ok
150% L01-240910_1	29	2	4.324e+10	19797	760109575.1	1.7580116665			10.635854451	0.430 Pass		
150% L01-240910_1	30	2	2.298e+10	20092.5	31656665.012	0.1377308391	1.6e+1	1.2041199827	10.361433967	0.682 Pass	0.044	Ok
150% L01-240910_1	31	2	1.094e+10	20710	52721619.976	0.4817384535	8e+0	0.903089987	10.039177432	1.154 Pass	-1.616	Ok
150% L01-240910_1	32	2	7.215e+9	20526	88293615.492	1.2237302372	4e+0	0.6020599913	9.8582436097	0.981 Pass	1.041	Ok
150% L01-240910_1	33	2	4.301e+10	19822.5	1751865687.7	4.073324556			10.633551791	1.051 Pass		
150% L01-240910_1	34	2	2.294e+10	20557	341864810.14	1.49026602	1.6e+1	1.2041199827	10.3605906	0.732 Pass	0.019	Ok
150% L01-240910_1	35	2	1.127e+10	20848	21155586.254	0.1877249333	8e+0	0.903089987	10.051903106	0.368 Pass	-1.183	Ok
150% L01-240910_1	36	2	6.536e+9	20632	262772342.09	4.0203525339	4e+0	0.6020599913	9.8153155151	8.021 Pass	-0.312	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621			10.56893682	0.993 Pass		
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	1.6e+1	1.2041199827	10.224314572	2.677 Pass	-2.282	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	8e+0	0.903089987	9.8972706745	2.803 Pass	-0.984	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	4e+0	0.6020599913	9.5512272121	1.253 Pass	-0.776	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744			10.577690117	0.469 Pass		
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	1.6e+1	1.2041199827	10.293937987	0.116 Pass	0.199	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	8e+0	0.903089987	9.9414859483	0.137 Pass	0.269	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	4e+0	0.6020599913	9.5666065868	0.313 Pass	-0.289	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372			10.618589688	7.706 Pass		
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	1.6e+1	1.2041199827	10.337832323	1.723 Pass	1.702	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	8e+0	0.903089987	9.9689589413	1.661 Pass	1.069	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	4e+0	0.6020599913	9.6040850374	4.371 Pass	0.881	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

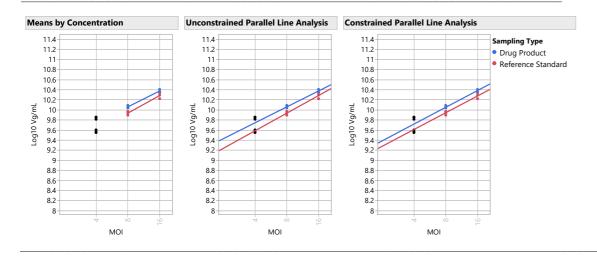
## 150% L01-240910\_1 Test Sample & Reference Standard Summary Statistics

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

## 150% L01-240910\_1 Model Selection

	Parallelism	Linearity				
Model	Slope Ratio	Ratio	R2	RMSE	Validity Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.904	0.000	0.969	0.039	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.751	3.401	0.985	0.037	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.888	0.927	0.989	0.035	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.873	0.000	0.993	0.029	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.765	8.009	0.972	0.040	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.738	7.609	0.988	0.034	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.626	0.000	0.966	0.038	Fails Parallelism and is Linear	
Model 7, Test High Dose Only Excluded	0.615	1.089	0.984	0.035	Fails Parallelism and is Linear	
Model 3, High Standard and Test Doses Excluded	0.604	0.000	0.983	0.029	Fails Parallelism and is 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 Valid
Reference Standard Curve Depth	2720000000		35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.072	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.904	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.138	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		1	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
12.66	10.11	125.1	0	0	125.1	135.3	116.4	150	50	18.9	18.9	Bioassay Results are Reportable	Assay is Valid and Within Limi
		Rela	itive										
Unconstrained	RI Constrained	RI Infectivity D	elta										
125	5.2 125	i.1	0.1										
Infectious	Infectious Partic	le Infectious P	article										
Particle Ratio	Ratio Lower Lin	nit Ratio Uppe	r Limit										
1.1	(	1.3	1.0										

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

				Accepted	Std					Outlier	Externally	Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Within Group	Studentized Residuals	Between Group
200% L01-240910	37	2	5.344e+10	19290.5	80196876.213	0.1500625229			10.727885209	2.668 Pass		
200% L01-240910	38	2	3.096e+10	19264.5	154005481.06	0.4974087484	1.6e+1	1.2041199827	10.490822758	6.431 Pass	1.291	Ok
200% L01-240910	39	2	1.470e+10	20635	560906281.84	3.8146779658	8e+0	0.903089987	10.167432423	1.692 Pass	-0.610	Ok
200% L01-240910	40	2	1.091e+10	20539	257568089.92	2.3602328346	4e+0	0.6020599913	10.03793721	7.404 Pass	3.320	Ok
200% L01-240910	41	2	5.776e+10	19541.5	249954306.34	0.4327798418			10.7615936	1.727 Pass		
200% L01-240910	42	2	2.763e+10	20939.5	269194304.26	0.9743799903	1.6e+1	1.2041199827	10.44133751	1.057 Pass	-0.059	Ok
200% L01-240910	43	2	1.404e+10	19917	594811930.38	4.2353940345	8e+0	0.903089987	10.14748585	2.738 Pass	-1.114	Ok
200% L01-240910	44	2	8.118e+9	19609.5	102821370.74	1.2666382592	4e+0	0.6020599913	9.9094307874	1.006 Pass	-0.892	Ok
200% L01-240910	45	2	5.595e+10	19982	932086203.29	1.6659818239			10.747785821	0.115 Pass		
200% L01-240910	46	2	2.829e+10	19188	978378731.34	3.4586506089	1.6e+1	1.2041199827	10.451600311	0.427 Pass	0.206	Ok
200% L01-240910	47	2	1.443e+10	20530.5	91625658.209	0.6348367112	8e+0	0.903089987	10.159355074	0.127 Pass	-0.809	Ok
200% L01-240910	48	2	8.605e+9	20956.5	277911220.03	3.2296461072	4e+0	0.6020599913	9.9347511442	0.461 Pass	-0.215	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621			10.56893682	0.993 Pass		
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	1.6e+1	1.2041199827	10.224314572	2.677 Pass	-1.821	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	8e+0	0.903089987	9.8972706745	2.803 Pass	-0.821	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	4e+0	0.6020599913	9.5512272121	1.253 Pass	-0.649	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744			10.577690117	0.469 Pass		
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	1.6e+1	1.2041199827	10.293937987	0.116 Pass	0.167	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	8e+0	0.903089987	9.9414859483	0.137 Pass	0.226	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	4e+0	0.6020599913	9.5666065868	0.313 Pass	-0.244	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372			10.618589688	7.706 Pass		
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	1.6e+1	1.2041199827	10.337832323	1.723 Pass	1.391	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	8e+0	0.903089987	9.9689589413	1.661 Pass	0.890	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	4e+0	0.6020599913	9.6040850374	4.371 Pass	0.737	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

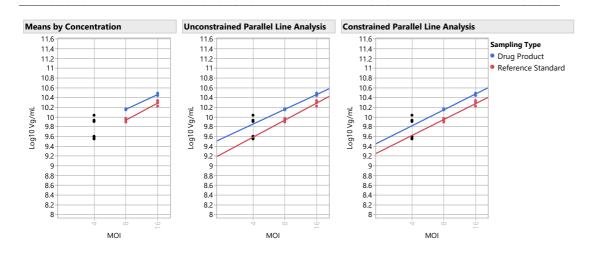
## 200% L01-240910 Test Sample & Reference Standard Summary Statistics

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

#### 200% L01-240910 Model Selection

	Parallelism	Linearity				
Model	Slope Ratio	Ratio	R2	RMSE	Validity Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.868	0.000	0.976	0.037	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.704	3.849	0.982	0.044	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.852	0.945	0.991	0.033	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.838	0.000	0.996	0.027	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.716	8.977	0.958	0.048	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.691	8.492	0.984	0.043	Fails Parallelism and is Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.565	0.000	0.930	0.048	Fails Parallelism and is Linear	
Model 7, Test High Dose Only Excluded	0.555	1.130	0.977	0.043	Fails Parallelism and is Linear	
Model 3, High Standard and Test Doses Excluded	0.545	0.000	0.975	0.041	Fails Parallelism and is 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		35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.327	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.868	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.138	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		1	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
13.98	9.16	152.6	0	0	152.6	166.1	141.5	150	50	24.6	24.6	Bioassay Results are Reportable	Assay is Valid and OOS
		Rela											
Unconstrained I	RI Constrained	RI Infectivity D	elta										
152	.9 152	.6	0.3										
Infectious	Infectious Partic	le Infectious P	article										
Particle Ratio	Ratio Lower Lim	it Ratio Upper	r Limit										
14	0	3	1.0										

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

				Accepted	Std					Outlier	Externally	Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Within Group	Studentized Residuals	Between Group
100% L01-240910	49	2	3.683e+10	19073.5	1778869003.2	4.8304881343			10.566152948	0.971 Pass		
100% L01-240910	50	2	1.680e+10	19201	199492668.93	1.1876932528	1.6e+1	1.2041199827	10.225222651	5.468 Pass	-1.555	Ok
100% L01-240910	51	2	7.499e+9	19370	678147945.98	9.0435733427	8e+0	0.903089987	9.8749843856	2.185 Pass	-1.447	Ok
100% L01-240910	52	2	3.707e+9	19538	299090113.23	8.0676914922	4e+0	0.6020599913	9.5690527747	0.450 Pass	-0.194	Ok
100% L01-240910	53	2	3.785e+10	18893	3580292594.9	9.459908583			10.578031581	0.485 Pass		
100% L01-240910	54	2	1.945e+10	18662.5	1149824505.5	5.9125325644	1.6e+1	1.2041199827	10.288858015	0.383 Pass	0.528	Ok
100% L01-240910	55	2	8.368e+9	19716.5	128843280.71	1.5397191217	8e+0	0.903089987	9.9226202714	0.016 Pass	-0.027	Ok
100% L01-240910	56	2	3.646e+9	20386.5	178059200.32	4.8830356341	4e+0	0.6020599913	9.561874525	1.022 Pass	-0.417	Ok
100% L01-240910	57	2	4.332e+10	20021.5	1706528670.2	3.9391021166			10.636716349	8.291 Pass		
100% L01-240910	58	2	2.023e+10	19822.5	2634087129.5	13.017781226	1.6e+1	1.2041199827	10.306093168	1.127 Pass	1.098	Ok
100% L01-240910	59	2	9.200e+9	20137.5	101459939.16	1.1028389063	8e+0	0.903089987	9.9637825187	2.060 Pass	1.166	Ok
100% L01-240910	60	2	3.981e+9	19947.5	380929556.42	9.5696095024	4e+0	0.6020599913	9.5999504547	7.068 Pass	0.770	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621			10.56893682	0.993 Pass		
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	1.6e+1	1.2041199827	10.224314572	2.677 Pass	-2.292	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	8e+0	0.903089987	9.8972706745	2.803 Pass	-0.987	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	4e+0	0.6020599913	9.5512272121	1.253 Pass	-0.778	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744			10.577690117	0.469 Pass		
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	1.6e+1	1.2041199827	10.293937987	0.116 Pass	0.199	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	8e+0	0.903089987	9.9414859483	0.137 Pass	0.270	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	4e+0	0.6020599913	9.5666065868	0.313 Pass	-0.290	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372			10.618589688	7.706 Pass		
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	1.6e+1	1.2041199827	10.337832323	1.723 Pass	1.709	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	8e+0	0.903089987	9.9689589413	1.661 Pass	1.072	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	4e+0	0.6020599913	9.6040850374	4.371 Pass	0.885	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

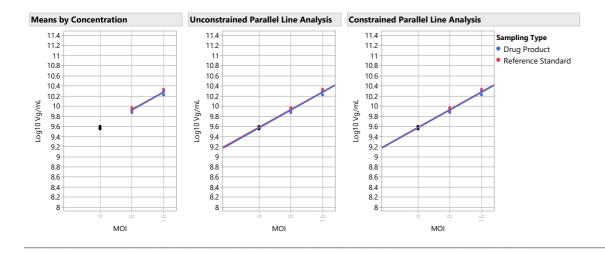
## 100% L01-240910 Test Sample & Reference Standard Summary Statistics

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

#### 100% L01-240910 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	1.010	0.000	0.957	0.046	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.979	0.108	0.987	0.037	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.949	0.000	0.977	0.033	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.996	0.676	0.983	0.040	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.992	0.879	0.983	0.041	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.983	0.000	0.982	0.042	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.975	0.000	0.984	0.038	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.966	0.894	0.986	0.038	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.962	0.663	0.988	0.034	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		35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.000	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	1.010	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.138	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		1	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	e of Tolerance CI Range % of Tolerance Check OOS Validity
11.16	11.47	97.3	0	0	97.3	105.4	89.8	150	50	15.5	5 15.5 Bioassay Results are Reportable Assay is Valid and Within
		Rela									
Unconstrained	RI Constrained	RI Infectivity D	elta								
97	.3 9	7.3	0.0								
Infectious	Infectious Parti	cle Infectious P	article								
Particle Ratio	Ratio Lower Lir	nit Ratio Uppe	r Limit								
0.9	(	0.3	1.0								

#### 50% L01-240910\_2 & Reference Standard Data

				Accepted	Std					Outlier	Externally	Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Within Group	Studentized Residuals	Between Group
50% L01-240910_2	61	2	1.834e+10	19737	203751104.97	1.1111170816			10.263340148	2.562 Pass		
50% L01-240910_2	62	2	1.130e+10	20211	262898579.74	2.3266742485	1.6e+1	1.2041199827	10.053052657	2.246 Pass	1.868	Ok
50% L01-240910_2	63	2	5.357e+9	21162.5	66651202.129	1.2441699278	8e+0	0.903089987	9.7289282868	2.055 Pass	0.996	Ok
50% L01-240910_2	64	2	2.820e+9	19762	168860802.11	5.9869546674	4e+0	0.6020599913	9.4503228782	1.566 Pass	1.503	Ok
50% L01-240910_2	65	2	1.644e+10	20267.5	452436562.64	2.7520219303			10.215905804	0.095 Pass		
50% L01-240910_2	66	2	9.639e+9	19391	154759020.72	1.6054847679	1.6e+1	1.2041199827	9.9840497834	0.030 Pass	0.271	Ok
50% L01-240910_2	67	2	4.560e+9	21001	18127.742997	0.000397543	8e+0	0.903089987	9.6589596546	0.017 Pass	-0.309	Ok
50% L01-240910_2	68	2	2.548e+9	19777.5	91143848.022	3.5773123313	4e+0	0.6020599913	9.4061705006	0.173 Pass	0.504	Ok
50% L01-240910_2	69	2	1.499e+10	19994	579169394.77	3.8628534835			10.175897368	1.786 Pass		
50% L01-240910_2	70	2	8.114e+9	20973	65816734.103	0.8111860937	1.6e+1	1.2041199827	9.9092158315	2.007 Pass	-1.314	Ok
50% L01-240910_2	71	2	3.723e+9	20849	22105610.024	0.5936871551	8e+0	0.903089987	9.5709448514	2.191 Pass	-2.242	Ok
50% L01-240910_2	72	2	2.099e+9	20993	13367658.82	0.6368196257	4e+0	0.6020599913	9.3220389135	3.035 Pass	-1.264	Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621			10.56893682	0.993 Pass		
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	1.6e+1	1.2041199827	10.224314572	2.677 Pass	-1.357	Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	8e+0	0.903089987	9.8972706745	2.803 Pass	-0.635	Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	4e+0	0.6020599913	9.5512272121	1.253 Pass	-0.504	Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744			10.577690117	0.469 Pass		
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	1.6e+1	1.2041199827	10.293937987	0.116 Pass	0.131	Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	8e+0	0.903089987	9.9414859483	0.137 Pass	0.177	Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	4e+0	0.6020599913	9.5666065868	0.313 Pass	-0.190	Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372			10.618589688	7.706 Pass		
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	1.6e+1	1.2041199827	10.337832323	1.723 Pass	1.056	Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	8e+0	0.903089987	9.9689589413	1.661 Pass	0.687	Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	4e+0	0.6020599913	9.6040850374	4.371 Pass	0.571	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

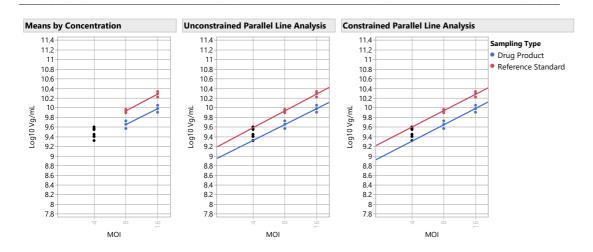
## 50% L01-240910\_2 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.9e+10	2.4e+9
Ref.Std (L01-240910)	4e+0	3	3.75e+9	2.38e+8
Ref.Std (L01-240910)	8e+0	3	8.65e+9	7.13e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.51e+9
50% L01-240910_2		3	1.7e+10	1.68e+9
50% L01-240910_2	4e+0	3	2.49e+9	3.64e+8
50% L01-240910_2	8e+0	3	4.55e+9	8.17e+8
50% L01-240910_2	1.6e+1	3	9.68e+9	1.59e+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	0.942	0.000	0.950	0.063	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.828	2.175	0.973	0.056	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.719	0.000	0.948	0.056	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.925	0.909	0.966	0.055	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.909	0.000	0.932	0.058	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.843	5.419	0.970	0.062	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.814	5.205	0.951	0.059	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.744	0.000	0.978	0.061	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.731	1.015	0.979	0.054	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		35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.029	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.942	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.138	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		1	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
8.39	15.26	54.9	0	0	54.9	62.0	47.1	150	50	14.9	14.9 Bioassay Results are Reportable Assay is Valid and Within Limit
	RI Constrained	RI Infectivity D									
54	1.9 54	.9	0.0								
Infectious	Infectious Partic	le Infectious P	article								
Particle Ratio	Ratio Lower Lin	nit Ratio Uppe	r Limit								
0.5	C	.3	1.0								

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

				Accepted	Std					Outlier	Externally Outlier
Group	Sampling	N Rows	Vg/mL	Droplets	Dev(Vg/mL)	CV(Vg/mL)	MOI	Log10 MOI	Log10 Vg/mL	Jackknife z Within Group	Studentized Residuals Between Grou
150% L01-240910_2	73	2	4.494e+10	20268.5	1382444686.6	3.0760724392			10.652651205	1.953 Pass	
150% L01-240910_2	74	2	2.566e+10	20858	639666646.59	2.4930803141	1.6e+1	1.2041199827	10.409217437	3.857 Pass	1.639 Ok
150% L01-240910_2	75	2	1.222e+10	20415.5	212403284.41	1.7378576067	8e+0	0.903089987	10.087147039	5.758 Pass	-0.306 Ok
150% L01-240910_2	76	2	7.248e+9	19921	49605155.379	0.6844349971	4e+0	0.6020599913	9.8601946062	0.933 Pass	0.942 Ok
150% L01-240910_2	77	2	4.381e+10	19580	1157150209.5	2.6411706984			10.641593268	0.045 Pass	
150% L01-240910_2	78	2	2.344e+10	20742.5	482974557.86	2.0600966742	1.6e+1	1.2041199827	10.370036653	0.269 Pass	0.224 Ok
150% L01-240910_2	79	2	1.144e+10	20183	480465980.94	4.1993236748	8e+0	0.903089987	10.058483293	1.103 Pass	-1.203 Ok
150% L01-240910_2	80	2	7.163e+9	19195	3819839.2688	0.0533236786	4e+0	0.6020599913	9.8551249868	0.513 Pass	0.764 Ok
150% L01-240910_2	81	2	4.253e+10	19371.5	109815609.98	0.2582091481			10.628692453	2.312 Pass	
150% L01-240910_2	82	2	2.245e+10	20023.5	582856847.74	2.596168258	1.6e+1	1.2041199827	10.351229067	1.342 Pass	-0.387 Ok
150% L01-240910_2	83	2	1.161e+10	20684	214437339.99	1.8466429905	8e+0	0.903089987	10.064917469	0.398 Pass	-0.988 Ok
150% L01-240910_2	84	2	6.636e+9	19439	77730062.789	1.1713325325	4e+0	0.6020599913	9.821908813	9.576 Pass	-0.329 Ok
Ref.Std (L01-240910)	1	2	3.706e+10	18978	760275303.25	2.0513230621			10.56893682	0.993 Pass	
Ref.Std (L01-240910)	2	2	1.676e+10	19425	448865633.8	2.6779458075	1.6e+1	1.2041199827	10.224314572	2.677 Pass	-2.481 Ok
Ref.Std (L01-240910)	3	2	7.894e+9	19283	173809988.84	2.2019327821	8e+0	0.903089987	9.8972706745	2.803 Pass	-1.048 Ok
Ref.Std (L01-240910)	4	2	3.558e+9	19900.5	119963713.77	3.3714963187	4e+0	0.6020599913	9.5512272121	1.253 Pass	-0.824 Ok
Ref.Std (L01-240910)	5	2	3.782e+10	19498	2633987435.9	6.9650394744			10.577690117	0.469 Pass	
Ref.Std (L01-240910)	6	2	1.968e+10	19161.5	988424708.4	5.0234907393	1.6e+1	1.2041199827	10.293937987	0.116 Pass	0.211 Ok
Ref.Std (L01-240910)	7	2	8.739e+9	19226	368054388.21	4.2113957236	8e+0	0.903089987	9.9414859483	0.137 Pass	0.285 Ok
Ref.Std (L01-240910)	8	2	3.686e+9	19778.5	16840666.879	0.4568279827	4e+0	0.6020599913	9.5666065868	0.313 Pass	-0.307 Ok
Ref.Std (L01-240910)	9	2	4.155e+10	19128	1958531281.1	4.7134708372			10.618589688	7.706 Pass	
Ref.Std (L01-240910)	10	2	2.177e+10	20050	122498999.17	0.562730193	1.6e+1	1.2041199827	10.337832323	1.723 Pass	1.829 Ok
Ref.Std (L01-240910)	11	2	9.310e+9	19816.5	38582938.215	0.4144158489	8e+0	0.903089987	9.9689589413	1.661 Pass	1.139 Ok
Ref.Std (L01-240910)	12	2	4.019e+9	20427	40014284.268	0.9957034587	4e+0	0.6020599913	9.6040850374	4.371 Pass	0.938 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

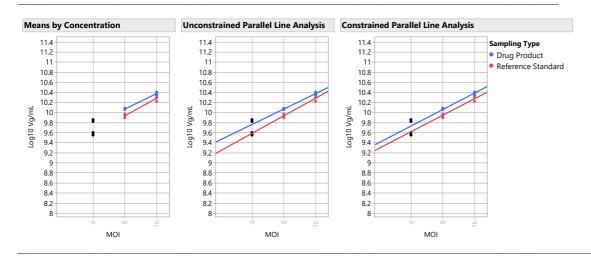
## 150% L01-240910\_2 Test Sample & Reference Standard Summary Statistics

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

## 150% L01-240910\_2 Model Selection

	Parallelism	Linearity				
Model	Slope Ratio	Ratio	R2	RMSE	Validity Evaluation	Selected Model
Model 2, Low Standard and Test Doses Excluded	0.877	0.000	0.970	0.038	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.747	2.806	0.987	0.035	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.862	0.940	0.989	0.034	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.847	0.000	0.994	0.028	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.760	6.774	0.975	0.038	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.734	6.466	0.990	0.031	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.642	0.000	0.969	0.036	Fails Parallelism and is Linear	
Model 7, Test High Dose Only Excluded	0.631	1.078	0.986	0.033	Fails Parallelism and is Linear	
Model 3, High Standard and Test Doses Excluded	0.620	0.000	0.987	0.026	Fails Parallelism and is Linear	

## 150% L01-240910\_2 Graphs



# 150% 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		35056142037	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.130	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.877	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.138	Passed Validity Criteria	
Number of Wells that Failed Accepted Droplets (<10000)		1	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
12.75	10.04	126.9	0	0	126.9	137.4	117.9	150	50	19.5	19.5 Bioassay Results are Reportable Assay is Valid and Within Lin
Jnconstrained I	RI Constrained I	Rela RI Infectivity D									
127.	.1 126	9	0.1								
Infectious	Infectious Partic	e Infectious P	article								
Particle Ratio	Ratio Lower Lim	it Ratio Uppe	r Limit								
1.1	0	3	1.0								

## **Relative Infectivity All Samples**

			Infectious			
Sample Name	EC50 Standard	EC50 Test	Ratio	Reportable RI	RI Lower 95	RI Upper 95
50% L01-240910_1	8.3717813229	15.289458129	0.5	54.8	46.5	62.1
150% L01-240910_1	12.656164414	10.113648639	1.1	125.1	116.4	135.3
200% L01-240910	13.977020322	9.1578889526	1.4	152.6	141.5	166.1
100% L01-240910	11.161706252	11.467780741	0.9	97.3	89.8	105.4
50% L01-240910_2	8.3865697324	15.262497551	0.5	54.9	47.1	62.0
150% L01-240910_2	12.746541619	10.041939518	1.1	126.9	117.9	137.4

	Overall		
Sample Name	Validity	OOS	Reportable
50% L01-240910_1	Assay is Valid	Within Limits	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	Within Limits	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 3		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)

		Landing of Count										
		Location of Sample										
System Suitability and Limits		nn 3 on Extracted DNA plate		1	2	3						9
Lower Specification Limit (≥)	50.00		A	1	5							33
Upper Specification Limit (≤)	150.00		В	2	6							34
Reference Standard Curve Depth (≥)	2720000000.00		С	3	7							35
Unconstrained EC50 Standard Lower Limit (≥)	0.04		D	4	8	12	16	20	24	28	32	36
Unconstrained EC50 Standard Upper Limit (≤)	61.80		E	49	53	57	61	65	69	73	77	81
% Relative Potency Delta (Constrained – Unconstrained) (≤)	15.00		F	50	54	58	62	66	70	74	78	82
Within Group Jackknife z Outlier Limit (<)	4.00		G	51	55	59	63	67	71	75	79	83
Between Group Studentized Residuals Outlier Limit (<)	4.00		Н	52	56	60	64	68	72	76	80	84
Parallelism Slope Ratio Lower Limit (≥)	0.70											
Parallelism Slope Ratio Upper Limit (≤)	1.40											
Linearity Ratio (≤)	26.30	ddPCR Map - Plate 1		1	2	3	4	5	6	7	8	9
Dose Reponse Test (≤)	0.05		A	3000	3000	3000	3000	3000	3000	3000	3000	3000
fixed position for ec50	10.00		В	3000	3000	3000	3000			3000	3000	3000
ec50 reference concentration target	4.74		С	3000	3000	3000						3000
fixed position for Test article for Infectious Particles Ratio Equation	10.00		D	3000	3000	3000						3000
Infectious Particles Ratio Lower Specification Limit (≥)	0.30		E	3000	3000	3000						3000
Infectious Particles Ratio Upper Specification Limit (≤)	1.00		F	3000	3000	3000						3000
Failed Accepted Droplets Upper Limit (≤)	5.00		G	3000	3000	3000						3000
Tanca Accepted Brophets Opper Emile (_)	3.00		Н	3000	3000	3000						3000
Report File Name												
Ref.Std (1-12)		ddPCR Map - Plate 2		1	2	3	4	5	6	7	8	9
Control (13-24)			A	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 1 (25-36)			В	6000	6000	6000	6000	6000	6000			6000
Sample 2 (37-48)			С	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 3 (49-60)			D	6000	6000	6000	6000	6000	6000	6000	6000	6000
Sample 4 (61-72)			E	6000	6000	6000						6000
Sample 5 (73-84)			F	6000	6000	6000						6000
sample s (/s o i)	•		G	6000	6000	6000						6000
Total Number of Plates	2.00		Н	6000	6000	6000						6000
MOI Concentrations												
16												
8												
4												
2												
					·	•					· i	
					·						·	

Well	Sample description 1	Sample description 2	Sample description 3	Sample description 4	Tarnet	Conc(copies/	Status	Experiment	SampleType	TargetType	Supermix	DyeName(s)	Accepted Droplets	Positives	Negative
D01		RS	REP1	description 4		231.5564728		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20060	3584	1647
C01	4	RS	REP1			518.0411377		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19347	6891	1245
B01	8	RS	REP1			1138.597412		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18820	11670	715
A01		RS	REP1			2435.005615		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18595	16248	234
D10		200	REP1			715.3798218		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19550	8907	1064
210		200	REP1			953.8183594		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20307	11280	902
B10 A10		200	REP1		BDNF BDNF	2056.84375 3566.601074	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18401 19238	15198 18310	320 92
107		150.2	REP1		BDNF	485.5121765		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20294	6862	1343
307		150.2	REP1		BDNF	824.8217163		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20329	10245	1008
F07	8	150.2	REP1			1740.666382		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21077	16277	480
E07	16	150.2	REP1		BDNF	3061.294189	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20346	18838	150
D07	2	150	REP1		BDNF	467.9755249	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20543	6742	1380
C07	4	150	REP1		BDNF	813.9212646	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19772	9873	989
B07		150	REP1			1726.499268		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20226	15564	466
407		150	REP1		BDNF	2997.810303		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20351	18759	159
H01	2	100.2	REP1		BDNF	233.0512695		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19721	3544	1617
G01		100.2	REP1			467.9432983 1110.372437		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18920 20147	6209 12307	1271 784
-01 -01	16	100.2	REP1			2371.200928		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18619	16138	248
H04		50.2	REP1			180.0717621		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19567	2777	1679
G04	4	50.2	REP1		BDNF	353.9968262		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21328	5542	1578
F04	8	50.2	REP1		BDNF	740.8954468		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20294	9483	1081
E04	16	50.2	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20166	13090	707
D04		50	REP1		BDNF	193.6558685		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18890	2867	1602
C04	4	50	REP1		BDNF	368.6099854		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20176	5427	1474
B04	8	50	REP1			775.4868164		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20366	9831	1053
A04		50	REP1		BDNF	1280.328125		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18581	12323	625
D02		RS	REP2		BDNF	244.9684601		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19242	3617	1562
C02		RS	REP2		BDNF	599.9827271		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18636	7445	1119
B02		RS	REP2			1358.331665		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18941	12971	597
A02 D11		RS 200	REP2 REP2		BDNF	2645.318359 536.3302002		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19819 18041	17727 6605	209 1143
C11		200	REP2		BDNF	908.2162476		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18230	9806	842
B11		200	REP2			1854.505981		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20587	16331	425
A11		200	REP2		BDNF	3838.585938		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19827	19068	75
H08		150.2	REP2			477.3862915		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19158	6390	1276
G08	4	150.2	REP2		BDNF	740.1178589	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18823	8789	1003
F08	8	150.2	REP2		BDNF	1540.183472	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20663	15083	558
E08	16	150.2	REP2		BDNF	2975.349854	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18712	17220	149
D08		150	REP2			476.8458557		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20529	6841	1368
C08		150	REP2			727.1169434		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20772	9576	1119
B08		150	REP2		BDNF	1533.788452		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19575	14260	531
80A		150 100.2	REP2 REP2			2918.29126 251.4928436		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20144 19801	18458	168 1599
H02 G02		100.2	REP2		BDNF	563.9385986		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19461	3811 7411	1205
F02		100.2	REP2			1350.686035		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18812	12844	596
	16	100.2	REP2		BDNF	2691.910645		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17781	15977	180
H05	2	50.2	REP2		BDNF	165.5587921	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19791	2598	1719
G05	4	50.2	REP2		BDNF	303.9955139	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20649	4702	1594
F05	8	50.2	REP2		BDNF	635.3309326	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18923	7896	1102
E05	16	50.2	REP2		BDNF	1117.338135	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20688	12685	800
D05		50	REP2			168.1752167		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20255	2698	1755
C05		50	REP2			310.4753723		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19823	4598	1522
B05		50	REP2			639.4810791		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19646	8238	1140
A05 D03		50 RS	REP2 REP3		BDNF BDNF	1144.275269 266.0267029		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18755 20002	11664 4048	709 1595
C03		RS	REP3			622.4987183		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19064	7833	1123
303		RS	REP3			1457.020752		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20871	14822	604
A03		RS	REP3		BDNF	2862.445068		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18686	17046	164
D12		200	REP3		BDNF	586.7678833		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20473	8040	1243
C12	4	200	REP3		BDNF	957.8773193		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20551	11447	910
B12	8	200	REP3			1931.979492	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18439	14870	356
A12		200	REP3					DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20100	19287	81
H09		150.2	REP3			446.0667114		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18944	5978	1296
G09		150.2	REP3			764.0432739		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19830	9472	1035
	16	150.2	REP3			1469.234375		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19126	13640	548
	16	150.2	REP3			2840.490967		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18430	16782	164
D09 C09		150 150	REP3		BDNF	423.3496094 750.3000488		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20568 20841	6216 9827	1435 1101
309	8	150	REP3			1545.439087		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20298	14841	545
409		150	REP3			2949.800537		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20298	18723	166
103		100.2	REP3			247.4173126		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20547	3897	1665
303		100.2	REP3		BDNF	608.5429688		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19485	7869	1161
	8	100.2	REP3			1224.796753		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19908	12879	702
03	16	100.2	REP3		BDNF	2968.63208	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19840	18249	159
106	2	50.2	REP3		BDNF	140.5720215	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21008	2366	1864
306	4	50.2	REP3		BDNF	249.2716827	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20991	4008	1698
	8	50.2	REP3		BDNF		OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20965	7762	1320
	16	50.2	REP3		BDNF	1026.855957		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19889	11580	830
D06		50	REP3			138.2278748		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18574	2059	1651
C06	4	50	REP3		RDNE	249.8983154	UK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	rAM	19930	3814	1611

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\_13Nov2024-13-51-45

									_					
			description 4	-				SampleType			DyeName(s)	Droplets	Positives	Negative
	50	REP3						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19064	6990	1207
	50	REP3			984.0247192	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19568	11090	847
] ]					No Call 0.34029907			Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) ddPCR Supermix for Probes (no dUTP)		19747 20746	6	1974 2074
					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		19958	0	1995
-					1509.848633			Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		19141	13837	530
					1421.419922			Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		19171	13444	572
				BDNF	1506.818848	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP)		18865	13624	524
	Sample	Sample	Sample	T	Conc(copies/	Charles	5t	Canada Tara	T	Comments	Describing (a)	Accepted	Do alabasa	Negativ
	RS RS	REP1	description 4		μL) 121.4333801		DQ	SampleType Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	DyeName(s)	Droplets 19741	Positives 1936	Negative 1780
	RS	REP1			267.2140503			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19219	3905	1531
	RS	REP1			548.1389771			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20030	7460	1257
	RS	REP1		BDNF	1253.342529	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19361	12689	667
	200	REP1		BDNF	369.8317871	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	21528	5807	157
	200	REP1			503.3505554			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20963	7297	136
	200	REP1			1035.681763			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20128	11782	83-
	200	REP1						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19343	15081	42
	150.2 150.2	REP1			240.4176788 402.3980713			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19548 20502	3613 5939	159 145
	150.2	REP1			840.1790161			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20639	10534	101
	150.2	REP1			1465.478027			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20191	14381	58
	150.2	REP1			239.6851807			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20790	3832	169
	150	REP1			413.0661316			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20389	6037	143
	150	REP1			836.7145996			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20505	10436	100
	150	REP1		BDNF	1446.222656	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19641	13896	57-
	100.2	REP1						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19355	2034	173
	100.2	REP1			265.9398499			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19820	4010	158
	100.2	REP1			564.5903931			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18255	6958	112
	100.2	REP1			1269.457153			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19528	12890	66
	50.2	REP1						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19957	1595	183
	50.2	REP1			180.1403809			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20997	2981	180 145
	50.2 50.2	REP1			382.8408813 606.4475708			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20128 19308	5591 7777	145
	50.2	REP1			99.47064209			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20031	1624	115
	50	REP1			175.9420166			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20388	2832	175
	50	REP1			381.4729919			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20626	5712	149
	50	REP1			590.8175659			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19843	7834	120
	RS	REP2		BDNF	123.2781067	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20315	2021	182
	RS	REP2		BDNF	282.6411133	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19816	4232	155
	RS	REP2		BDNF	632.5710449	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19382	8061	113
	RS	REP2			1198.491821			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19177	12253	69
	200	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21178	4386	167
	200	REP2			482.1478271			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21604	7264	1434
	200	REP2 REP2			914.5630493 1931.075928			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21292 19256	11506 15526	97
	150.2	REP2			238.8732147			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19232	3534	1569
	150.2	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21543	6114	154
	150.2	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20822	10209	106
	150.2	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20448	14400	604
	150	REP2		BDNF	242.5851288	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20523	3824	1669
	150	REP2		BDNF	366.0437927	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20648	5521	1512
	150	REP2		BDNF	765.4019165	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20610	9857	107
	150	REP2			1423.313721			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19450	13649	580
	100.2	REP2			117.3526306			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20972	1991	189
	100.2	REP2						Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19972	4175	157
	100.2 100.2	REP2 REP2			621.1397705 1177.178711			Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18513 20005	7594 12650	109 73
	50.2	REP2			87.07595825			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19764	1410	183
	50.2	REP2			151.9986115			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21353	2588	187
	50.2	REP2			324.9608765			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19859	4793	150
	50.2	REP2			537.3410034			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19847	7277	125
	50	REP2		BDNF	85.9803009	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20333	1433	1890
	50	REP2		BDNF	159.8617554	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20440	2597	178
	50	REP2			310.8562622			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19819	4602	152
	50	REP2			523.4338989			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19400	6967	124
	RS	REP3			134.8996429			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20852	2259	185
	RS RS	REP3			309.430542 722.7357178			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20569 19229	4757 8826	158 104
	RS	REP3			1338.896484			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19229	13299	62
	200	REP3			280.2830811			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21440	4545	168
	200	REP3			483.2579346			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20510	6909	136
	200	REP3			919.8685303			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19937	10815	91
	200	REP3			1842.969238			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19864	15717	41
	150.2	REP3			219.3691254			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19934	3391	165
	150.2	REP3			392.1303101			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21538	6105	154
	150.2	REP3			762.0933228			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20921	9975	109
	150.2	REP3			1415.068726			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20313	14212	61
	150	REP3			224.0620117			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20696 20855	3589	171
	150 150	REP3			376.1473083 756.6038818			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20855	5707 9874	151 109
	150	REP3			1392.316528			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19261	13363	58
	100.2	REP3			141.6658478			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19348	2195	171
	100.2	REP3			309.0543518			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20790	4803	159
	100.2	REP3			736.5704346			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19737	9184	105
	100.2	REP3			1403.869507		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20203	14077	61
	50.2	REP3			69.65585327			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20978	1206	197
	50.2	REP3			123.5937729			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20707	2065	186
	50.2	REP3			268.9034119			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20981	4287	166
	50.2	REP3			486.1256714			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20099	6803	132
	50	REP3			72.16507721			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21665	1289	203
	50	REP3			132.0900574			Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20329	2159	181
														167
	JU	ner3												129
														212 207
														207
-									Unknown	, , ,				538
														560
								Unknown						55
2 2		50	50 REP3	50 REP3	50 REP3 BDNF 50 REP3 BDNF BDNF BDNF BDNF BDNF BDNF BDNF BDNF	50 REP3 BDNF 261.3279724 50 REP3 BDNF 483.8331604 BDNF No Call BDNF 0.340020388 BDNF No Call BDNF No Call BDNF 1563.026733 BDNF 1458.765747	50 REP3 BDNF 261.3279724 OK 50 REP3 BDNF 483.8331604 OK BDNF No Call CHECK BDNF NO GAIL CHECK BDNF NO GAIL CHECK BDNF NO GAIL CHECK BDNF 1563.026733 OK BDNF 1458.765747 OK	50   REP3   BDNF   261.3279724   OK   DQ     50   REP3   BDNF   483.8331604   OK   DQ     BDNF   No Call   CHECK   DQ     BDNF   No Call   CHECK   DQ     BDNF   No Call   CHECK   DQ     BDNF   1563.026733   OK   DQ     BDNF   1458.765747   OK   DQ	50         REP3         BDNF         261.3279724         OK         DQ         Unknown           50         REP3         BDNF         483.8331604         OK         DQ         Unknown           BDNF         No Call         CHECK         DQ         Unknown           BDNF         0.340020388         OK         DQ         Unknown           BDNF         No Call         CHECK         DQ         Unknown           BDNF         1563.026733         OK         DQ         Unknown           BDNF         1458.765747         OK         DQ         Unknown	50         REP3         BDNF         261.3279724         OK         DQ         Unknown         Unknown           50         REP3         BDNF         483.8331604         OK         DQ         Unknown         Unknown           BDNF         No Call         CHECK         DQ         Unknown         Unknown           Unknown         Unknown         Unknown         Unknown         Unknown           BDNF         No Call         CHECK         DQ         Unknown         Unknown           BDNF         1563.026733         OK         DQ         Unknown         Unknown           BDNF         1458.765747         OK         DQ         Unknown         Unknown	50         REP3         BDNF         261.3279724         OK         DQ         Unknown         Unknown         ddPCR Supermix for Probes (No dUTP)           50         REP3         BDNF         483.8331604         OK         DQ         Unknown         Unknown         ddPCR Supermix for Probes (No dUTP)           BDNF         No Call         CHECK DQ         Unknown         Unknown         Unknown         ddPCR Supermix for Probes (no dUTP)           BDNF         No Call         CHECK DQ         Unknown         Unknown         Unknown         ddPCR Supermix for Probes (no dUTP)           BDNF         No Call         CHECK DQ         Unknown         Unknown         ddPCR Supermix for Probes (no dUTP)           BDNF         1563.026733         OK         DQ         Unknown         Unknown         ddPCR Supermix for Probes (no dUTP)           BDNF         1458.765747         OK         DQ         Unknown         Unknown         ddPCR Supermix for Probes (no dUTP)	SO   REP3   BDNF   261.3279724   OK   DQ   Unknown   U	50   REP3   BDNF   261.3279724   OK   DQ   Unknown   Unknown   Unknown   ddPCR Supermix for Probes (No dUTP)   FAM   20930	50   REP3   BDNF   261.3279724   OK   DQ   Unknown   Unknown   ddPCR Supermix for Probes (No dUTP)   FAM   20930   4169