

# **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\_Plate02\_KL-S318OCT2024\_Plate02\_KL-S4

# 50% 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
50% L01-240910_1	13	2	1.821e+10	20851.5	94435265.333	0.5184670847			10.260413015	7.610 Pass		
50% L01-240910_1	14	2	1.118e+10	20462.5	49645939.883	0.4438881443	1.6e+1	1.2041199827	10.048610191	3.296 Pass	2.037	Ok
50% L01-240910_1	15	2	5.151e+9	19885	42103690.407	0.8174463291	8e+0	0.903089987	9.7118609157	2.104 Pass	0.783	Ok
50% L01-240910_1	16	2	2.926e+9	20742	149980255.56	5.1253477381	4e+0	0.6020599913	9.4663107531	7.342 Pass	2.142	Ok
50% L01-240910_1	17	2	1.549e+10	19522.5	597112052.57	3.8558336802			10.189937545	0.467 Pass		
50% L01-240910_1	18	2	9.173e+9	20427.5	131640590.54	1.4350393346	1.6e+1	1.2041199827	9.9625260166	0.207 Pass	-0.037	Ok
50% L01-240910_1	19	2	4.545e+9	20017.5	1488640.7937	0.0327556343	8e+0	0.903089987	9.6575039019	0.004 Pass	-0.267	Ok
50% L01-240910_1	20	2	2.295e+9	20649	42748637.553	1.8626139363	4e+0	0.6020599913	9.3607994298	0.459 Pass	-0.380	Ok
50% L01-240910_1	21	2	1.493e+10	20123.5	746021394.55	4.9977972131			10.173972652	0.997 Pass		
50% L01-240910_1	22	2	8.075e+9	20094	265089947.14	3.2829854877	1.6e+1	1.2041199827	9.9071242956	1.480 Pass	-1.276	Ok
50% L01-240910_1	23	2	3.931e+9	20231	32494046.672	0.8265927734	8e+0	0.903089987	9.5945121959	2.139 Pass	-1.598	Ok
50% L01-240910_1	24	2	2.161e+9	20708	28653653.294	1.3262198343	4e+0	0.6020599913	9.3345644829	1.009 Pass	-0.963	Ok
Ref.Std (L01-240910)	1	2	3.522e+10	18487.5	495102496.28	1.4057743302			10.546779507	1.363 Pass		
Ref.Std (L01-240910)	2	2	1.633e+10	18938.5	455484403.59	2.789532588	1.6e+1	1.2041199827	10.212942071	1.692 Pass	-0.981	Ok
Ref.Std (L01-240910)	3	2	7.131e+9	19419.5	655734182.36	9.195593152	8e+0	0.903089987	9.8531480751	2.625 Pass	-1.301	Ok
Ref.Std (L01-240910)	4	2	3.825e+9	19172.5	243220466.59	6.3579511491	4e+0	0.6020599913	9.5826829306	0.343 Pass	0.111	Ok
Ref.Std (L01-240910)	5	2	3.719e+10	17967.5	688805051.03	1.8522753561			10.570390775	0.259 Pass		
Ref.Std (L01-240910)	6	2	1.836e+10	19003.5	106995643.39	0.5826329245	1.6e+1	1.2041199827	10.263971072	0.126 Pass	0.127	Ok
Ref.Std (L01-240910)	7	2	7.985e+9	19497.5	650271627.62	8.143657325	8e+0	0.903089987	9.9022753147	0.107 Pass	-0.293	Ok
Ref.Std (L01-240910)	8	2	3.750e+9	19094	169086574.24	4.5092360866	4e+0	0.6020599913	9.5740061513	1.198 Pass	-0.072	Ok
Ref.Std (L01-240910)	9	2	4.143e+10	19174	588327175	1.4201622691			10.617280939	3.754 Pass		
Ref.Std (L01-240910)	10	2	2.129e+10	19244.5	525609422.63	2.4691932446	1.6e+1	1.2041199827	10.328108062	2.737 Pass	1.618	Ok
Ref.Std (L01-240910)	11	2	8.615e+9	20665.5	71422360.234	0.8290586492	8e+0	0.903089987	9.9352489434	1.750 Pass	0.335	Ok
Ref.Std (L01-240910)	12	2	4.043e+9	20878	192367657.71	4.7575982235	4e+0	0.6020599913	9.6067442937	4.780 Pass	0.626	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

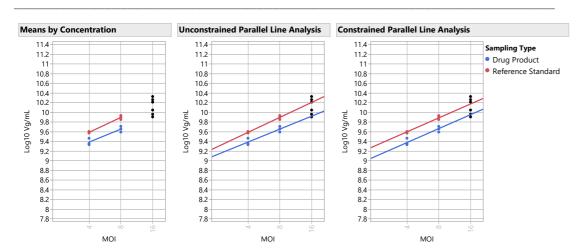
### 50% L01-240910\_1 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.8e+10	3.17e+9
Ref.Std (L01-240910)	4e+0	3	3.87e+9	1.52e+8
Ref.Std (L01-240910)	8e+0	3	7.91e+9	7.45e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.49e+9
50% L01-240910_1		3	1.6e+10	1.76e+9
50% L01-240910_1	4e+0	3	2.46e+9	4.09e+8
50% L01-240910_1	8e+0	3	4.54e+9	6.1e+8
50% L01-240910 1	1.6e+1	3	9.48e+9	1.58e+9

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

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 3, High Standard and Test Doses Excluded	0.865	0.000	0.951	0.051	Parallel and Linear	Model 3, High Standard and Test Doses Exclude
Model 1, All Doses	0.860	4.467	0.973	0.054	Parallel and Linear	
Model 2, Low Standard and Test Doses Excluded	0.856	0.000	0.955	0.058	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	1.029	0.000	0.936	0.051	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.947	4.179	0.955	0.054	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.935	4.782	0.968	0.052	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.788	3.848	0.972	0.059	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.786	5.080	0.979	0.052	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.720	0.000	0.979	0.058	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		34071437681	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.164	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.865	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.461	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
4.33	7.38	58.7	0	0	58.7	65.9	50.9	150	50	14.9	14.9 Bioassay Results are Reportable Assay is Valid and Within Limit
	RI Constrained										
Infectious	Infectious Partic	le Infectious P	article								
Particle Ratio	Ratio Lower Lim	it Ratio Uppe	r Limit								
0.4	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	4.328e+10	19590	656185083.84	1.516157548			10.636282022	0.797 Pass		
150% L01-240910_1	26	2	2.548e+10	19257.5	127422942.19	0.5001095848	1.6e+1	1.2041199827	10.406182451	6.439 Pass	1.437	Ok
150% L01-240910_1	27	2	1.235e+10	20620.5	95067106.961	0.7697030114	8e+0	0.903089987	10.091707092	3.487 Pass	-0.095	Ok
150% L01-240910_1	28	2	7.267e+9	19589.5	124780027.36	1.7170178963	4e+0	0.6020599913	9.8613702547	0.645 Pass	0.948	Ok
150% L01-240910_1	29	2	4.320e+10	20041.5	479922826.41	1.1109143873			10.635490815	0.622 Pass		
150% L01-240910_1	30	2	2.319e+10	19921	669588345.21	2.8877311629	1.6e+1	1.2041199827	10.365251126	0.427 Pass	0.137	Ok
150% L01-240910_1	31	2	1.108e+10	20170	136112012.44	1.2281117402	8e+0	0.903089987	10.044658572	1.427 Pass	-1.438	Ok
150% L01-240910_1	32	2	7.305e+9	19580.5	228548830.67	3.1286225929	4e+0	0.6020599913	9.8636258265	0.772 Pass	1.022	Ok
150% L01-240910_1	33	2	4.196e+10	19967	98481352.962	0.2346842141			10.622870128	22.921 Pass		
150% L01-240910_1	34	2	2.262e+10	19692	154114236.92	0.681261223	1.6e+1	1.2041199827	10.35452909	1.056 Pass	-0.177	Ok
150% L01-240910_1	35	2	1.151e+10	19410.5	203413827.77	1.7671798668	8e+0	0.903089987	10.061099717	0.230 Pass	-0.932	Ok
150% L01-240910_1	36	2	6.446e+9	20595.5	356693271.03	5.5331329205	4e+0	0.6020599913	9.8093238133	31.380 Pass	-0.615	Ok
Ref.Std (L01-240910)	1	2	3.522e+10	18487.5	495102496.28	1.4057743302			10.546779507	1.363 Pass		
Ref.Std (L01-240910)	2	2	1.633e+10	18938.5	455484403.59	2.789532588	1.6e+1	1.2041199827	10.212942071	1.692 Pass	-1.415	Ok
Ref.Std (L01-240910)	3	2	7.131e+9	19419.5	655734182.36	9.195593152	8e+0	0.903089987	9.8531480751	2.625 Pass	-1.931	Ok
Ref.Std (L01-240910)	4	2	3.825e+9	19172.5	243220466.59	6.3579511491	4e+0	0.6020599913	9.5826829306	0.343 Pass	0.154	Ok
Ref.Std (L01-240910)	5	2	3.719e+10	17967.5	688805051.03	1.8522753561			10.570390775	0.259 Pass		
Ref.Std (L01-240910)	6	2	1.836e+10	19003.5	106995643.39	0.5826329245	1.6e+1	1.2041199827	10.263971072	0.126 Pass	0.177	Ok
Ref.Std (L01-240910)	7	2	7.985e+9	19497.5	650271627.62	8.143657325	8e+0	0.903089987	9.9022753147	0.107 Pass	-0.409	Ok
Ref.Std (L01-240910)	8	2	3.750e+9	19094	169086574.24	4.5092360866	4e+0	0.6020599913	9.5740061513	1.198 Pass	-0.100	Ok
Ref.Std (L01-240910)	9	2	4.143e+10	19174	588327175	1.4201622691			10.617280939	3.754 Pass		
Ref.Std (L01-240910)	10	2	2.129e+10	19244.5	525609422.63	2.4691932446	1.6e+1	1.2041199827	10.328108062	2.737 Pass	2.498	Ok
Ref.Std (L01-240910)	11	2	8.615e+9	20665.5	71422360.234	0.8290586492	8e+0	0.903089987	9.9352489434	1.750 Pass	0.467	Ok
Ref.Std (L01-240910)	12	2	4.043e+9	20878	192367657.71	4.7575982235	4e+0	0.6020599913	9.6067442937	4.780 Pass	0.884	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

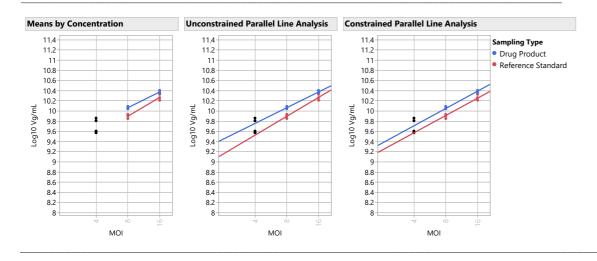
### 150% L01-240910\_1 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.8e+10	3.17e+9
Ref.Std (L01-240910)	4e+0	3	3.87e+9	1.52e+8
Ref.Std (L01-240910)	8e+0	3	7.91e+9	7.45e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.49e+9
150% L01-240910_1		3	4.3e+10	7.38e+8
150% L01-240910_1	4e+0	3	7.01e+9	4.85e+8
150% L01-240910_1	8e+0	3	1.2e+10	6.45e+8
150% L01-240910_1	1.6e+1	3	2.4e+10	1.51e+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	0.833	0.000	0.970	0.040	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.780	6.227	0.984	0.039	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.715	0.000	0.980	0.030	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	1.001	0.000	0.993	0.029	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.910	4.846	0.987	0.037	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.858	7.583	0.988	0.034	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.714	7.044	0.971	0.041	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.650	5.495	0.980	0.038	Fails Parallelism and is Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.595	0.000	0.962	0.040	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		34071437681	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.311	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.833	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.461	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
13.02	9.83	132.4	0	0	132.4	144.3	122.4	150	50	22.0	22.0	Bioassay Results are Reportable	Assay is Valid and Within L
		Rela	itive										
Unconstrained	RI Constrained	RI Infectivity D	elta										
132	2.7 132	2.4	0.3										
Infectious	Infectious Partic	le Infectious P	article										
Particle Ratio	Ratio Lower Lin	nit Ratio Uppe	r Limit										
1.1	(	0.3	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	5.122e+10	19992	783580839.19	1.5299807737			10.709397834	0.859 Pass		
200% L01-240910	38	2	3.003e+10	19829.5	1181939524.2	3.9352547599	1.6e+1	1.2041199827	10.477622403	5.054 Pass	1.236	Ok
200% L01-240910	39	2	1.444e+10	20205	633969738.98	4.3888702708	8e+0	0.903089987	10.159715785	0.986 Pass	-0.355	Ok
200% L01-240910	40	2	1.053e+10	20592.5	698524091.26	6.6343484073	4e+0	0.6020599913	10.022383114	43.028 Pass	3.236	Ok
200% L01-240910	41	2	5.692e+10	19740.5	1139795369.6	2.0023037825			10.755296921	13.863 Pass		
200% L01-240910	42	2	2.738e+10	19903.5	659314495.92	2.4079566923	1.6e+1	1.2041199827	10.437443953	0.360 Pass	0.199	Ok
200% L01-240910	43	2	1.421e+10	19306.5	662221857.73	4.6616125322	8e+0	0.903089987	10.152467339	0.474 Pass	-0.516	Ok
200% L01-240910	44	2	7.868e+9	19962	351032941.35	4.4612955036	4e+0	0.6020599913	9.8958868825	0.754 Pass	-0.657	Ok
200% L01-240910	45	2	5.177e+10	20033.5	375780825.57	0.7258769233			10.714071626	0.570 Pass		
200% L01-240910	46	2	2.652e+10	18917.5	798069096.51	3.0096351073	1.6e+1	1.2041199827	10.42352665	1.167 Pass	-0.137	Ok
200% L01-240910	47	2	1.299e+10	20733.5	142190222.08	1.0943764268	8e+0	0.903089987	10.113703003	7.882 Pass	-1.461	Ok
200% L01-240910	48	2	7.954e+9	20191	372262329.4	4.6799330306	4e+0	0.6020599913	9.9006094522	0.661 Pass	-0.538	Ok
Ref.Std (L01-240910)	1	2	3.522e+10	18487.5	495102496.28	1.4057743302			10.546779507	1.363 Pass		
Ref.Std (L01-240910)	2	2	1.633e+10	18938.5	455484403.59	2.789532588	1.6e+1	1.2041199827	10.212942071	1.692 Pass	-1.140	Ok
Ref.Std (L01-240910)	3	2	7.131e+9	19419.5	655734182.36	9.195593152	8e+0	0.903089987	9.8531480751	2.625 Pass	-1.525	Ok
Ref.Std (L01-240910)	4	2	3.825e+9	19172.5	243220466.59	6.3579511491	4e+0	0.6020599913	9.5826829306	0.343 Pass	0.127	Ok
Ref.Std (L01-240910)	5	2	3.719e+10	17967.5	688805051.03	1.8522753561			10.570390775	0.259 Pass		
Ref.Std (L01-240910)	6	2	1.836e+10	19003.5	106995643.39	0.5826329245	1.6e+1	1.2041199827	10.263971072	0.126 Pass	0.146	Ok
Ref.Std (L01-240910)	7	2	7.985e+9	19497.5	650271627.62	8.143657325	8e+0	0.903089987	9.9022753147	0.107 Pass	-0.337	Ok
Ref.Std (L01-240910)	8	2	3.750e+9	19094	169086574.24	4.5092360866	4e+0	0.6020599913	9.5740061513	1.198 Pass	-0.082	Ok
Ref.Std (L01-240910)	9	2	4.143e+10	19174	588327175	1.4201622691			10.617280939	3.754 Pass		
Ref.Std (L01-240910)	10	2	2.129e+10	19244.5	525609422.63	2.4691932446	1.6e+1	1.2041199827	10.328108062	2.737 Pass	1.919	Ok
Ref.Std (L01-240910)	11	2	8.615e+9	20665.5	71422360.234	0.8290586492	8e+0	0.903089987	9.9352489434	1.750 Pass	0.385	Ok
Ref.Std (L01-240910)	12	2	4.043e+9	20878	192367657.71	4.7575982235	4e+0	0.6020599913	9.6067442937	4.780 Pass	0.722	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

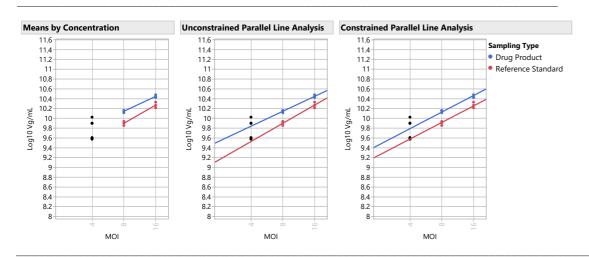
### 200% L01-240910 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.8e+10	3.17e+9
Ref.Std (L01-240910)	4e+0	3	3.87e+9	1.52e+8
Ref.Std (L01-240910)	8e+0	3	7.91e+9	7.45e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.49e+9
200% L01-240910		3	5.3e+10	3.15e+9
200% L01-240910	4e+0	3	8.78e+9	1.51e+9
200% L01-240910	8e+0	3	1.4e+10	7.79e+8
200% L01-240910	1.6e+1	3	2.8e+10	1.83e+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	0.819	0.000	0.974	0.040	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.744	6.919	0.978	0.047	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.984	0.000	0.994	0.029	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.894	4.886	0.989	0.037	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.819	8.899	0.982	0.045	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.682	8.291	0.956	0.051	Fails Parallelism and is Linear	
Model 3, High Standard and Test Doses Excluded	0.655	0.000	0.968	0.044	Fails Parallelism and is Linear	
Model 7, Test High Dose Only Excluded	0.595	5.682	0.971	0.047	Fails Parallelism and is Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.545	0.000	0.927	0.052	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		34071437681	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.671	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.819	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.461	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	e CI Range % of Tolerance Check	OOS Validity
14.05	9.11	154.3	0	0	154.3	169.8	142.0	150	50	27.8	27.8	Bioassay Results are Reportable	Assay is Valid and OOS
		Rela											
Unconstrained R	RI Constrained I	RI Infectivity D	elta										
155.	0 154	.3	0.7										
Infectious I	nfectious Partic	e Infectious P	article										
Particle Ratio	Ratio Lower Lim	it Ratio Upper	r Limit										
1.3	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	3.677e+10	19203	117861205.29	0.320544712			10.565482261	0.792 Pass		
100% L01-240910	50	2	1.712e+10	18946	389600987.9	2.276366175	1.6e+1	1.2041199827	10.233377926	2.164 Pass	-1.720	Ok
100% L01-240910	51	2	7.957e+9	20068	202754799.3	2.5482781986	8e+0	0.903089987	9.9007243042	10.649 Pass	-0.751	Ok
100% L01-240910	52	2	3.687e+9	19366	179490548.5	4.8680635883	4e+0	0.6020599913	9.5666853422	0.134 Pass	-0.121	Ok
100% L01-240910	53	2	3.701e+10	19265	1405677694.6	3.7978791033			10.568344618	0.627 Pass		
100% L01-240910	54	2	1.924e+10	18664	1497416004.4	7.7830217781	1.6e+1	1.2041199827	10.284194225	0.011 Pass	0.004	Ok
100% L01-240910	55	2	8.908e+9	19092.5	465543327.06	5.226167867	8e+0	0.903089987	9.9497767506	0.908 Pass	0.629	Ok
100% L01-240910	56	2	3.572e+9	20039	153217941.95	4.2888527325	4e+0	0.6020599913	9.5529684905	1.672 Pass	-0.547	Ok
100% L01-240910	57	2	4.107e+10	18741	112923026.09	0.2749478765			10.613532138	24.314 Pass		
100% L01-240910	58	2	2.130e+10	20008	537971703.31	2.5254998667	1.6e+1	1.2041199827	10.328412083	2.080 Pass	1.467	Ok
100% L01-240910	59	2	8.789e+9	19365.5	327411500.51	3.7250523238	8e+0	0.903089987	9.9439615528	0.531 Pass	0.462	Ok
100% L01-240910	60	2	3.855e+9	19808	168024878.86	4.3584371279	4e+0	0.6020599913	9.5860428055	2.780 Pass	0.476	Ok
Ref.Std (L01-240910)	1	2	3.522e+10	18487.5	495102496.28	1.4057743302			10.546779507	1.363 Pass		
Ref.Std (L01-240910)	2	2	1.633e+10	18938.5	455484403.59	2.789532588	1.6e+1	1.2041199827	10.212942071	1.692 Pass	-1.492	Ok
Ref.Std (L01-240910)	3	2	7.131e+9	19419.5	655734182.36	9.195593152	8e+0	0.903089987	9.8531480751	2.625 Pass	-2.050	Ok
Ref.Std (L01-240910)	4	2	3.825e+9	19172.5	243220466.59	6.3579511491	4e+0	0.6020599913	9.5826829306	0.343 Pass	0.161	Ok
Ref.Std (L01-240910)	5	2	3.719e+10	17967.5	688805051.03	1.8522753561			10.570390775	0.259 Pass		
Ref.Std (L01-240910)	6	2	1.836e+10	19003.5	106995643.39	0.5826329245	1.6e+1	1.2041199827	10.263971072	0.126 Pass	0.185	Ok
Ref.Std (L01-240910)	7	2	7.985e+9	19497.5	650271627.62	8.143657325	8e+0	0.903089987	9.9022753147	0.107 Pass	-0.428	Ok
Ref.Std (L01-240910)	8	2	3.750e+9	19094	169086574.24	4.5092360866	4e+0	0.6020599913	9.5740061513	1.198 Pass	-0.104	Ok
Ref.Std (L01-240910)	9	2	4.143e+10	19174	588327175	1.4201622691			10.617280939	3.754 Pass		
Ref.Std (L01-240910)	10	2	2.129e+10	19244.5	525609422.63	2.4691932446	1.6e+1	1.2041199827	10.328108062	2.737 Pass	2.677	Ok
Ref.Std (L01-240910)	11	2	8.615e+9	20665.5	71422360.234	0.8290586492	8e+0	0.903089987	9.9352489434	1.750 Pass	0.490	Ok
Ref.Std (L01-240910)	12	2	4.043e+9	20878	192367657.71	4.7575982235	4e+0	0.6020599913	9.6067442937	4.780 Pass	0.928	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

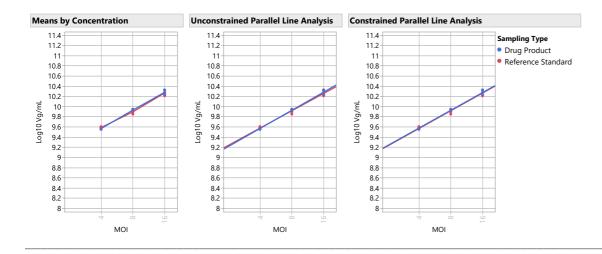
### 100% L01-240910 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.8e+10	3.17e+9
Ref.Std (L01-240910)	4e+0	3	3.87e+9	1.52e+8
Ref.Std (L01-240910)	8e+0	3	7.91e+9	7.45e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.49e+9
100% L01-240910		3	3.8e+10	2.42e+9
100% L01-240910	4e+0	3	3.7e+9	1.42e+8
100% L01-240910	8e+0	3	8.55e+9	5.18e+8
100% L01-240910	1.6e+1	3	1.9e+10	2.09e+9

#### 100% L01-240910 Model Selection

	Parallelism	Linearity			Validity	
Model	Slope Ratio	Ratio	R2	RMSE	Evaluation	Selected Model
Model 1, All Doses	1.048	1.792	0.987	0.037	Parallel and Linear	Model 1, All Dose
Model 2, Low Standard and Test Doses Excluded	0.944	0.000	0.961	0.045	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	1.174	0.000	0.983	0.027	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.977	0.000	0.984	0.039	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	1.030	4.556	0.982	0.041	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.960	0.851	0.984	0.039	Parallel and Linear	
Model 7, Test High Dose Only Excluded	1.067	4.396	0.986	0.036	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	1.134	0.000	0.986	0.035	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	1.154	0.934	0.990	0.031	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		34071437681	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.001	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	1.048	Passed Validity Criteria	
Linearity Ratio		26.3	1.792	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.461	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	of Tolerance	CI Range % of Tolerance Check	OOS Validity
8.08	7.92	101.9	0	0	101.9	107.4	96.8	150	50	10.5	10.5	Bioassay Results are Reportable	Assay is Valid and Within L
		Rela	tive										
Unconstrained F	RI Constrained	RI Infectivity D	elta										
101.	.9 101	.9	0.0										
Infectious I	Infectious Partic	le Infectious P	article										
Particle Ratio	Ratio Lower Lin	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	1.836e+10	19242.5	578676092.33	3.1526420738			10.263760873	4.977 Pass		
50% L01-240910_2	62	2	1.146e+10	19672.5	383744830.65	3.3484648371	1.6e+1	1.2041199827	10.059196796	4.500 Pass	2.174	Ok
50% L01-240910_2	63	2	5.320e+9	19670.5	143601825	2.6992944637	8e+0	0.903089987	9.7259096953	1.665 Pass	0.909	Ok
50% L01-240910_2	64	2	2.844e+9	18932.5	78820891.318	2.771568467	4e+0	0.6020599913	9.45391573	2.285 Pass	1.474	Ok
50% L01-240910_2	65	2	1.572e+10	20668	412066220.06	2.6208869292			10.196518729	0.355 Pass		
50% L01-240910_2	66	2	9.122e+9	18914	97392479.23	1.0676937726	1.6e+1	1.2041199827	9.9600787117	0.323 Pass	-0.195	Ok
50% L01-240910_2	67	2	4.715e+9	20554	235510385.67	4.9945365046	8e+0	0.903089987	9.673514872	0.136 Pass	-0.099	Ok
50% L01-240910_2	68	2	2.498e+9	15224			4e+0	0.6020599913	9.3976468856	0.039 Pass	0.198	Ok
50% L01-240910_2	69	2	1.485e+10	19314.5	496404373.91	3.3426924038			10.171739185	1.175 Pass		
50% L01-240910_2	70	2	8.250e+9	19914.5	77289525.011	0.9368708507	1.6e+1	1.2041199827	9.9164409116	1.234 Pass	-1.155	Ok
50% L01-240910_2	71	2	3.822e+9	19669.5	76628716.753	2.0047058585	8e+0	0.903089987	9.5823408932	2.796 Pass	-2.083	Ok
50% L01-240910_2	72	2	2.189e+9	14748			4e+0	0.6020599913	9.3401609307	1.975 Pass	-1.036	Ok
Ref.Std (L01-240910)	1	2	3.522e+10	18487.5	495102496.28	1.4057743302			10.546779507	1.363 Pass		
Ref.Std (L01-240910)	2	2	1.633e+10	18938.5	455484403.59	2.789532588	1.6e+1	1.2041199827	10.212942071	1.692 Pass	-0.967	Ok
Ref.Std (L01-240910)	3	2	7.131e+9	19419.5	655734182.36	9.195593152	8e+0	0.903089987	9.8531480751	2.625 Pass	-1.281	Ok
Ref.Std (L01-240910)	4	2	3.825e+9	19172.5	243220466.59	6.3579511491	4e+0	0.6020599913	9.5826829306	0.343 Pass	0.109	Ok
Ref.Std (L01-240910)	5	2	3.719e+10	17967.5	688805051.03	1.8522753561			10.570390775	0.259 Pass		
Ref.Std (L01-240910)	6	2	1.836e+10	19003.5	106995643.39	0.5826329245	1.6e+1	1.2041199827	10.263971072	0.126 Pass	0.125	Ok
Ref.Std (L01-240910)	7	2	7.985e+9	19497.5	650271627.62	8.143657325	8e+0	0.903089987	9.9022753147	0.107 Pass	-0.289	Ok
Ref.Std (L01-240910)	8	2	3.750e+9	19094	169086574.24	4.5092360866	4e+0	0.6020599913	9.5740061513	1.198 Pass	-0.071	Ok
Ref.Std (L01-240910)	9	2	4.143e+10	19174	588327175	1.4201622691			10.617280939	3.754 Pass		
Ref.Std (L01-240910)	10	2	2.129e+10	19244.5	525609422.63	2.4691932446	1.6e+1	1.2041199827	10.328108062	2.737 Pass	1.591	Ok
Ref.Std (L01-240910)	11	2	8.615e+9	20665.5	71422360.234	0.8290586492	8e+0	0.903089987	9.9352489434	1.750 Pass	0.330	Ok
Ref.Std (L01-240910)	12	2	4.043e+9	20878	192367657.71	4.7575982235	4e+0	0.6020599913	9.6067442937	4.780 Pass	0.617	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

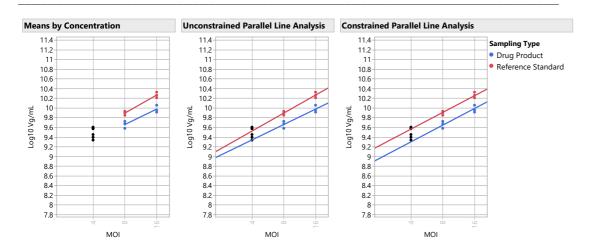
### 50% L01-240910\_2 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.8e+10	3.17e+9
Ref.Std (L01-240910)	4e+0	3	3.87e+9	1.52e+8
Ref.Std (L01-240910)	8e+0	3	7.91e+9	7.45e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.49e+9
50% L01-240910_2		3	1.6e+10	1.82e+9
50% L01-240910_2	4e+0	3	2.51e+9	3.28e+8
50% L01-240910_2	8e+0	3	4.62e+9	7.53e+8
50% L01-240910_2	1.6e+1	3	9.61e+9	1.66e+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	0.856	0.000	0.948	0.063	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.854	4.636	0.972	0.055	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.852	0.000	0.948	0.051	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	1.029	0.000	0.925	0.056	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.940	4.514	0.952	0.055	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.935	4.783	0.963	0.055	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.783	4.160	0.971	0.060	Parallel and Linear	
Model 7, Test High Dose Only Excluded	0.774	5.114	0.978	0.052	Parallel and Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.709	0.000	0.978	0.058	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		34071437681	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.188	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.856	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.461	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			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
8.68	14.74	58.9	0	0	58.9	66.3	50.8	150	50	15.5	15.5 Bioassay Results are Reportable Assay is Valid and Within Limit
Unconstrained		RI Infectivity D									
58	3.7 58	1.9	0.2								
Infectious	Infectious Partic	ele Infectious P	article								
Particle Ratio	Ratio Lower Lin	nit Ratio Uppe	r Limit								
0.5	C	1.3	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	4.400e+10	19227.5	1011785905.7	2.2997680598			10.643404587	18.815 Pass	
150% L01-240910_2	74	2	2.553e+10	19561	1022989391.8	4.0075911691	1.6e+1	1.2041199827	10.406987719	8.130 Pass	1.509 Ok
150% L01-240910_2	75	2	1.243e+10	19720	215002496.86	1.7291133125	8e+0	0.903089987	10.094620049	8.448 Pass	-0.093 Ok
150% L01-240910_2	76	2	7.210e+9	15797	460290519.99	6.3836280682	4e+0	0.6020599913	9.8579644548	0.278 Pass	0.648 Ok
150% L01-240910_2	77	2	4.318e+10	19239	1153369528.8	2.6708724835			10.63531532	0.605 Pass	
150% L01-240910_2	78	2	2.311e+10	19181	16052321.661	0.0694549112	1.6e+1	1.2041199827	10.363834893	0.481 Pass	0.118 Ok
150% L01-240910_2	79	2	1.140e+10	20626	323785549.92	2.839103811	8e+0	0.903089987	10.05707619	0.489 Pass	-1.146 Ok
150% L01-240910_2	80	2	7.430e+9	15294.5	318946741.85	4.2927946804	4e+0	0.6020599913	9.8709780529	1.323 Pass	1.066 Ok
150% L01-240910_2	81	2	4.312e+10	19919	212901108.44	0.4937427852			10.63467716	0.818 Pass	
150% L01-240910_2	82	2	2.265e+10	20149	1046904735.2	4.6217208411	1.6e+1	1.2041199827	10.355103454	0.977 Pass	-0.140 Ok
150% L01-240910_2	83	2	1.122e+10	20629	168546177.42	1.5026815525	8e+0	0.903089987	10.049851952	0.965 Pass	-1.375 Ok
150% L01-240910_2	84	2	6.707e+9	17865	246301164.67	3.6724316625	4e+0	0.6020599913	9.8265127424	3.955 Pass	-0.292 Ok
Ref.Std (L01-240910)	1	2	3.522e+10	18487.5	495102496.28	1.4057743302			10.546779507	1.363 Pass	
Ref.Std (L01-240910)	2	2	1.633e+10	18938.5	455484403.59	2.789532588	1.6e+1	1.2041199827	10.212942071	1.692 Pass	-1.430 Ok
Ref.Std (L01-240910)	3	2	7.131e+9	19419.5	655734182.36	9.195593152	8e+0	0.903089987	9.8531480751	2.625 Pass	-1.954 Ok
Ref.Std (L01-240910)	4	2	3.825e+9	19172.5	243220466.59	6.3579511491	4e+0	0.6020599913	9.5826829306	0.343 Pass	0.156 Ok
Ref.Std (L01-240910)	5	2	3.719e+10	17967.5	688805051.03	1.8522753561			10.570390775	0.259 Pass	
Ref.Std (L01-240910)	6	2	1.836e+10	19003.5	106995643.39	0.5826329245	1.6e+1	1.2041199827	10.263971072	0.126 Pass	0.178 Ok
Ref.Std (L01-240910)	7	2	7.985e+9	19497.5	650271627.62	8.143657325	8e+0	0.903089987	9.9022753147	0.107 Pass	-0.413 Ok
Ref.Std (L01-240910)	8	2	3.750e+9	19094	169086574.24	4.5092360866	4e+0	0.6020599913	9.5740061513	1.198 Pass	-0.101 Ok
Ref.Std (L01-240910)	9	2	4.143e+10	19174	588327175	1.4201622691			10.617280939	3.754 Pass	
Ref.Std (L01-240910)	10	2	2.129e+10	19244.5	525609422.63	2.4691932446	1.6e+1	1.2041199827	10.328108062	2.737 Pass	2.532 Ok
Ref.Std (L01-240910)	11	2	8.615e+9	20665.5	71422360.234	0.8290586492	8e+0	0.903089987	9.9352489434	1.750 Pass	0.472 Ok
Ref.Std (L01-240910)	12	2	4.043e+9	20878	192367657.71	4.7575982235	4e+0	0.6020599913	9.6067442937	4.780 Pass	0.892 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

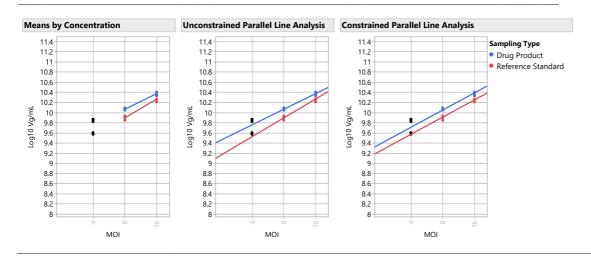
# 150% L01-240910\_2 Test Sample & Reference Standard Summary Statistics

				Std
Group	MOI	N Rows	Mean(Vg/mL)	Dev(Vg/mL)
Ref.Std (L01-240910)		3	3.8e+10	3.17e+9
Ref.Std (L01-240910)	4e+0	3	3.87e+9	1.52e+8
Ref.Std (L01-240910)	8e+0	3	7.91e+9	7.45e+8
Ref.Std (L01-240910)	1.6e+1	3	1.9e+10	2.49e+9
150% L01-240910_2		3	4.3e+10	4.88e+8
150% L01-240910_2	4e+0	3	7.12e+9	3.71e+8
150% L01-240910_2	8e+0	3	1.2e+10	6.56e+8
150% L01-240910_2	1.6e+1	3	2.4e+10	1.54e+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	0.830	0.000	0.970	0.040	Parallel and Linear	Model 2, Low Standard and Test Doses Excluded
Model 1, All Doses	0.769	6.442	0.984	0.038	Parallel and Linear	
Model 9, Standard High Dose and Test Low Dose Excluded	0.997	0.000	0.993	0.029	Parallel and Linear	
Model 6, Test Low Dose Only Excluded	0.906	4.856	0.987	0.037	Parallel and Linear	
Model 5, Standard High Dose Only Excluded	0.847	7.995	0.988	0.033	Parallel and Linear	
Model 4, Standard Low Dose Only Excluded	0.705	7.434	0.972	0.041	Parallel and Linear	
Model 3, High Standard and Test Doses Excluded	0.697	0.000	0.983	0.028	Fails Parallelism and is Linear	
Model 7, Test High Dose Only Excluded	0.633	5.550	0.981	0.037	Fails Parallelism and is Linear	
Model 8, Standard Low Dose and Test High Dose Excluded	0.580	0.000	0.963	0.039	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		34071437681	Passed Validity Criteria	
% Relative Infectivity Delta (Constrained - Unconstrained)		15	0.329	Passed Validity Criteria	
Parallelism Slope Ratio	0.7	1.4	0.830	Passed Validity Criteria	
Linearity Ratio		26.3	0.000	Passed Validity Criteria	
Unconstrained EC50 Standard	0.04	61.8	9.461	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
13.03	9.82	132.7	0	0	132.7	144.7	122.5	150	50	22.2	22.2 Bioassay Results are Reportable Assay is Valid and Within Lir
nconstrained I	RI Constrained I	Rela RI Infectivity D									
133.	.0 132	.7	0.3								
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	4.334605821	7.3824475215	0.4	58.7	50.9	65.9
150% L01-240910_1	13.019421603	9.8314659362	1.1	132.4	122.4	144.3
200% L01-240910	14.054523902	9.1073878343	1.3	154.3	142.0	169.8
100% L01-240910	8.0772937992	7.923445846	0.9	101.9	96.8	107.4
50% L01-240910_2	8.6847004829	14.738562401	0.5	58.9	50.8	66.3
150% L01-240910_2	13.03207716	9.821918519	1.1	132.7	122.5	144.7

	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	Assay 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 2		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)

Contain College West and Director	Unit Calm	Location of Sample	nn 5 1	2	3				7	8	
System Suitability and Limits		mn 3 on Extracted DNA plate Colur		2							9
Lower Specification Limit (≥)	50.00	A	1	5						29	33
Upper Specification Limit (≤)	150.00	В	2	6						30	34
Reference Standard Curve Depth (≥)	2720000000.00	С	3	7						31	35
Unconstrained EC50 Standard Lower Limit (≥)	0.04	D	4	8	12					32	36
Unconstrained EC50 Standard Upper Limit (≤)	61.80	E	49	53	57					77	81
% Relative Potency Delta (Constrained – Unconstrained) (≤)	15.00	F	50	54							82
Within Group Jackknife z Outlier Limit (<)	4.00	G	51	55	59					79	83
Between Group Studentized Residuals Outlier Limit (<)	4.00	H	52	56	60	64	1 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	1 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	3000	3000
ec50 reference concentration target	4.74	С	3000	3000	3000	3000	3000	3000	3000	3000	3000
fixed position for Test article for Infectious Particles Ratio Equation	10.00	D	3000	3000	3000	3000	3000	3000	3000	3000	3000
Infectious Particles Ratio Lower Specification Limit (≥)	0.30	E	3000	3000	3000	3000	3000	3000	3000	3000	3000
Infectious Particles Ratio Upper Specification Limit (≤)	1.00	F	3000	3000	3000	3000	3000	3000	3000	3000	3000
Failed Accepted Droplets Upper Limit (≤)	5.00	G	3000	3000	3000	3000	3000	3000	3000	3000	3000
, , , , , , , , , , , , , , , , , , , ,		Н	3000	3000	3000	3000			3000	3000	3000
Report File Name											
Ref.Std (1-12)		ddPCR Map - Plate 2	1	2	3	4	1 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	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	6000	6000	6000	6000	6000
Sample 5 (73-84)		F	6000	6000	6000	6000	6000	6000	6000	6000	6000
· · · · · · ·		G	6000	6000	6000	6000	6000	6000	6000	6000	6000
Total Number of Plates	2.00	Н	6000	6000	6000	6000	6000	6000	6000	6000	6000
MOI Concentrations											
16											
8											
4											
2											

ell description 4 2 4 4 8 4 4 8 4 16 5 2 5 8 5 16 6 2 6 6 8 6 16 6 16 6 16 6 16 6 16 6 16 6 1	ion i descrin		Sample description 3	Sample description 4	Target	Conc(copies/ µL)	Status	Experiment	SampleType	TargetTvne	Supermix	DyeName(s)	Accepted Droplets	Positives	Negative
44	50		REP1	description 4		188.0128937		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20847	3079	1776
14	50	F	REP1			341.3909912		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18688	4707	1398
15	50		REP1			747.9627075		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21166	9958	1120
55	50		REP1			1209.836426		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21600	13876	772
55 8 56 16 66 4 66 8 66 16 67 4 2 68 8 68 16 69 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 16 60 17 60 17 60 18 60	50 50		REP2 REP2		BDNF	155.0210876 303.0492554		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20801 19587	2568 4448	1823 1513
15	50		REP2		BDNF	617.7595215		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20656	8438	1221
166   2   6   4   6   6   6   6   6   6   6   6	50		REP2			1060.544067		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19011	11293	771
66 8 66 16 67 68 68 69 69 69 69 69 69 69 69 69 69 69 69 69	50		REP3		BDNF	142.6859741		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20321	2321	1800
166 16 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	50	F	REP3		BDNF	260.5404053	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19874	3948	1592
144   2   4   4   4   4   4   4   4   16   15   2   15   5   8   16   16   16   16   16   16   16	50	F	REP3		BDNF	550.8071899	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20339	7604	1273
14	50		REP3		BDNF	1030.301392		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20185	11777	840
4 8 8 4 16 15 15 16 16 16 17 18 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	50.2		REP1		BDNF	193.3096008		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21198	3212	1798
4 16 16 15 2 15 4 16 16 16 16 16 16 16 16 16 16 16 16 16	50.2 50.2		REP1 REP1		BDNF BDNF	347.8956299		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18090 18871	4631 8861	1345 1001
15	50.2		REP1		BDNF	745.9315186 1250.963989		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18818	12320	649
15	50.2		REP2		BDNF	166.5542145		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20802	2746	1805
55 8 56 16 66 26 16 67 4 8 68 16 17 2 67 17 18 68 18 18 18 18 68 18 18 18 18 68 18 18 18 18 68 18 18 18 18 68 18 18 18 18 68 18 18 18 68 18 18 18 68 18 18 18 68 18 18 18 68 18 68 1	50.2		REP2		BDNF	303.2552795		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20834	4734	1610
106	50.2		REP2		BDNF	603.5263062		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18592	7461	1113
166	50.2	F	REP2		BDNF	1067.584717	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20151	12019	813
66 8 66 16 67 16 68 16 69 17 69 18 6	50.2		REP3		BDNF	145.9048309		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19685	2296	1738
66 16 16 11 2 11 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50.2		REP3		BDNF	258.4417725		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18710	3690	1502
101 2 101 4 101 4 11 16 102 2 102 4 103 3 103 4 103 3 104 3 105 3 107 7 107 7 108 8 108 108 108 108 108 108 108 108 108 108	50.2		REP3		BDNF	553.6269531		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19685	7389	1229
11	50.2 100.2		REP3 REP1			1013.429749 254.2681732		DQ DQ	Unknown	Unknown Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19332 19566	11163 3803	816 1576
1 8 8 1 1 16 16 17 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	100.2		REP1		BDNF	520.8781128		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20440	7312	1312
1 16 16 12 2 2 12 14 14 15 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 16 17 17 17 17 18 17 16 17 17 17 18 17 16 17 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	100.2		REP1			1122.636719		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17938	11030	690
22 2 24 4 28 8 31 4 31 8 31 8 31 7 7 8 7 8 7 16 88 8 8 16 99 9 89 9 16 77 4 78 8 88 8 88 16 99 9 90 9 91 9 91 9 91 9 91 9 91 9 91 9	100.2		REP1			2445.713135		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18789	16439	235
2 8 8 9 16 9 16 9 16 9 16 9 16 9 16 9 16	100.2	F	REP2		BDNF	245.3873749	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19733	3715	1601
2 16 16 13 2 13 3 4 16 17 2 17 4 17 16 18 2 18 18 16 19 19 16 19 19 18 18 18 16 19 19 19 18 18 18 18 18 18 18 18 18 18 18 18 18	100.2	F	REP2		BDNF	571.9160156	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18530	7134	1139
33	100.2		REP2			1212.045776		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17763	11423	634
33	100.2		REP2			2533.742676		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18672	16505	216
3 8 8 16 17 2 17 4 18 18 18 18 18 18 18 18 18 18 18 18 18	100.2 100.2		REP3 REP3		BDNF BDNF	264.9316711 601.3974609		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19059 19327	3843	1521 1159
3 16   3 16   7 2   7 8   7 16   8 2   8 4   8 8 16   9 9 16   7 7 8   7 8   7 9 9 16   9 9 9 16   9 9 9 16   9 9 9 16   9 9 9 16   9 9 16   9 2   9 16   9	100.2		REP3			1394.745972		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20312	7735 14105	620
177 2 177 4 178 16 188 2 188 4 18 8 8 199 2 199 4 199 16 177 2 177 4 178 8 188 8 189 9 19 16 10 2 10 2 10 4 11 1 11 1 11 1 11 1 11 1 11 1 11 1	100.2		REP3			2743.370117		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17536	15833	170
77	150		REP1			478.6013184		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18586	6212	1237
17 16   18 2   18 4   19 9 2   19 16   17 4   7 8   7 16   18 2   17 4   18 2   18 4   18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	150	F	REP1		BDNF	827.8909302	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20277	10245	1003
No. 188	150	F	REP1		BDNF	1704.607056	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18797	14383	441
88	150		REP1		BDNF	2916.231445		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	19417	17789	162
8 8 8 8 8 16 99 4 99 8 99 16 97 2 97 16 98 8 8 8 8 8 16 99 2 99 4 99 8 9 16 99 2 99 4 99 16 99 1	150		REP2			476.2323914		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18718	6231	1248
16	150		REP2			732.4523926		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19860	9204	1065
99 2 99 4 99 8 916 97 2 98 8 98 8 98 8 8 16 99 9 99 16 00 2 00 4 00 8 00 16 11 2 11 4 16 16 11 1	150 150		REP2 REP2		BDNF BDNF	1514.258667 2902.670654		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20075 20008	14533 18311	554 169
99 4 99 8 99 8 16 17 2 17 4 7 8 7 16 18 4 8 8 8 8 16 99 2 99 16 00 2 00 4 00 16 11 2 11 4 11 16 22 2 24 4 28 8 21 1 21 1 4	150		REP3			412.9518127		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20164	5969	1419
99 8 99 16 77 2 77 4 78 8 77 16 88 8 8 16 99 2 99 4 99 16 00 2 00 4 00 16 11 2 11 4 11 16 22 2 24 4 28 8 16 11 2 11 4	150		REP3			757.7874146		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18030	8562	946
77 2 77 4 77 8 78 8 8 8 8 8 8 16 99 9 8 99 16 00 2 00 4 00 8 00 16 11 2 11 4 16 22 2 24 28 11 4	150		REP3			1500.861694		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18562	13379	518
77	150		REP3		BDNF	2792.914063	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	20986	19032	195
7 8 8 7 16 9 16 9 16 9 16 9 16 9 16 9 16 9 16	150.2		REP1		BDNF	459.0006714		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		21254	6866	1438
7 16 8 2 88 8 8 8 8 8 8 8 16 99 2 90 4 90 16 00 2 00 4 00 8 00 16 11 2 11 4 11 16 2 2 2 4 2 8 11 1 2 11 4	150.2		REP1			839.0861816		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19018	9698	932
08 2 88 4 88 8 8 16 99 2 99 4 99 8 90 16 00 2 00 4 00 8 00 16 11 2 11 8 11 16 22 2 24 4 28 8 11 2 11 4	150.2		REP1			1653.528564		DQ			ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		19136	14443	469
88	150.2 150.2		REP1 REP2			2980.70459 480.2857666	OK	DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18369 20368	16911 6827	145 1354
8 8 8 8 16 99 2 99 4 99 8 99 16 90 2 91 1 1 2 1 1 4 1 16 2 2 2 1 1 4 1 1 2 1 1 4 1 1 1 1 1 1 1 1	150.2		REP2				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20326	9536	1079
99 2 99 4 99 8 90 2 00 2 00 4 00 8 00 16 11 2 11 4 11 16 12 2 2 4 2 8 8 10 16 11 2 11 4	150.2		REP2			1541.547363		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18077	13201	487
99 4 99 8 99 16 00 2 00 4 00 8 00 16 11 2 11 8 11 16 22 2 2 4 2 8 2 16 11 2	150.2		REP2			2933.253662		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18260	16751	150
9 8 9 16 00 2 00 4 00 8 00 16 11 2 11 14 11 18 11 16 22 2 2 2 2 8 2 2 16 01 2 11 4	150.2		REP3			435.5065613		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20521	6349	1417
9 16 2 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	150.2		REP3			755.7026978		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20475	9704	1077
0 2 0 4 0 8 0 16 1 2 1 4 1 8 1 1 16 2 2 2 2 4 2 8 2 16 11 2 11 4	150.2		REP3		BDNF	1460.770996		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19965	14197	576
0 4 0 8 0 16 1 2 1 4 1 8 1 16 2 2 2 4 2 8 2 16 01 2	150.2		REP3		BDNF	2864.619873		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19805	18070	173
0 8 0 16 1 2 1 4 1 8 1 16 2 2 2 4 2 8 2 16 11 2 11 4	200		REP1 REP1		BDNF BDNF	668.9981079 933.1104736		DQ DQ	Unknown Unknown	Unknown Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20991 18821	9104 10306	1188 851
0 16 1 2 1 4 1 8 1 16 2 2 2 4 2 8 2 16 01 2	200		REP1			1946.592041		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18863	15257	360
1 2 1 4 1 8 1 16 2 2 2 4 2 8 2 16 01 2	200		REP1			3377.400146		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20228	19082	114
1 4 1 8 1 16 2 2 2 4 2 8 2 16 01 2	200		REP2			508.0126953		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19018	6669	1234
1 16 2 2 2 4 2 8 2 16 01 2	200		REP2			915.8394775		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18220	9855	836
2 2 2 4 2 8 2 16 01 2	200		REP2			1794.297119		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18581	14538	404
2 4 2 8 2 16 01 2	200		REP2			3741.216064		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19719	18899	82
2 8 2 16 01 2 11 4	200		REP3			512.7471924		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20576	7269	1330
2 16 01 2 11 4	200		REP3			872.8900757		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		20761	10875	988
)1 2  1 4	200		REP3 REP3			1730.187866 3468.99585	OK OK	DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		17465 20244	13452 19183	401 106
11 4	RS		REP3			243.5647125		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		18930	3540	1539
	RS		REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18849	6592	1225
1 8	RS		REP1			1110.027832		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18574	11344	723
1 16	RS		REP1			2371.286133		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		19566	16959	260
2 2	RS	F	REP2		BDNF	242.0147247	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18426	3426	1500
2 4	RS		REP2		BDNF	562.987915	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)	FAM	18377	6989	1138
2 8	RS		REP2			1219.233521		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18788	12123	666
12 16	RS		REP2			2511.601807		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP)		18493	16306	218
3 4	RS RS		REP3 REP3			260.4902039 577.6918335		DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) ddPCR Supermix for Probes (No dUTP)		20829 20399	4137 7915	1669 1248

10	11	12	Column 18	Column 19
37	41	45		
38	42	46		
39	43	47		
40	44	48		
	i i			
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\_13Nov2024-13-36-07

M/AII	Sample description 1	Sample description 2	Sample	Sample	Target	Conc(copies/	Ctatus	Evporiment	SampleType	TargetType	Supermix DyeName(s)	Accepted Droplets	Positives	Negative
03	8	RS	REP3	description 4		1394.334961		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	18015	12508	550
	16	RS	REP3			2789.517822		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19030	17253	177
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20448	0	20448
	NTC					No Call	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20903	0	2090
	NTC					No Call	CHECK	-	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20513	0	2051
10	PC PC				BDNF	1426.414185 1468.001953		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM ddPCR Supermix for Probes (no dUTP) FAM	18476 19503	12980 13903	549 560
F12						1407.259521		DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	19193	13390	580
Vall	Sample description 1	Sample description 2	Sample description 3	Sample	Target	Conc(copies/	Status	Evperiment	SampleType	TargetType	Supermix DyeName(s)	Accepted Droplets	Positives	Negative
004		50	REP1	description 4		101.0765839		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20637	1699	18938
04		50	REP1			172.6802826		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21082	2878	18204
304	8	50	REP1		BDNF	371.6410217	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19759	5352	14407
404		50	REP1			609.3699341		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20103	8127	1197
005 005		50	REP2 REP2				OK	DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20497 20448	1274 2470	19223 17978
305		50	REP2			151.4544525 302.6741638		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20199	4582	15617
405		50	REP2			502.1239014		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20034	6960	13074
006	2	50	REP3			72.69373322		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21095	1264	19831
206		50	REP3			131.8019867		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20588	2182	18406
306	16	50	REP3			262.907135 479.9829102	OK	DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19849 20062	3975 6721	15874 1334
104		50.2	REP1			92.93914795		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	16667	1266	15401
304		50.2	REP1			180.7172699		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21251	3026	18225
	8	50.2	REP1			391.0556641		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20474	5790	14684
-04		50.2	REP1			598.2029419		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19667	7839	11828
H05		50.2	REP2			No Call 162.7297058	CHECK		Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	9646	632	9014
G05 F05	8	50.2 50.2	REP2 REP2			306.3542786		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20274 19236	2619 4410	17655 14826
05		50.2	REP2			514.3673706		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21185	7503	13682
106		50.2	REP3		BDNF	No Call	CHECK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	9811	474	9337
G06		50.2	REP3			125.6085739		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20629	2089	18540
F06		50.2	REP3			273.1700134		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20144	4174	15970
±06 −101	16	50.2 100.2	REP3 REP1			483.3141479 118.672821	OK OK	DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19297 19166	6501 1839	12796 17327
301		100.2	REP1			269.9970093		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19696	4039	15657
-01		100.2	REP1			579.6843262		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19954	7763	12191
E01	16	100.2	REP1		BDNF	1228.412598	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19617	12712	6905
H02		100.2	REP2			115.4709244		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20345	1902	18443
G02 F02		100.2	REP2 REP2			307.9039307 676.6117554		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19655 19565	4526 8557	15129 11008
E02		100.2	REP2			1200.607056		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19858	12701	7157
H03		100.2	REP3			124.5450668		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20557	2065	18492
G03		100.2	REP3			285.2644043		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19404	4178	15226
	8	100.2	REP3			722.7332153		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19704	9044	10660
E03 D07		100.2 150	REP3 REP1			1366.361816 245.1828461		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19946 20593	13702 3874	6244 16719
C07		150	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20964	6162	14802
B07	8	150	REP1		BDNF	846.2967529	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19718	10114	9604
A07		150	REP1			1427.182861		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19763	13888	5875
D08	2	150	REP2			248.8900909		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20443	3898	16545
C08 B08		150 150	REP2 REP2			372.6425781 788.6940308		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20480 19767	5560 9656	14920 10111
A08		150	REP2			1428.711548		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20075	14115	5960
D09	2	150	REP3			223.2905884		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21027	3635	17392
C09		150	REP3			388.4827271		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20791	5847	14944
B09		150	REP3			757.6958618 1401.099487		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20822	9887	10935
A09 H07		150 150.2	REP3 REP1			251.1986389		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	18948 10340	13189 1988	5759 8352
G07		150.2	REP1			409.4077759		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20422	6002	14420
F07	8	150.2	REP1		BDNF	874.9884644	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19986	10486	9500
E07		150.2	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20086	14193	5893
H08 G08		150.2	REP2			255.1781769 387.7816467		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	10221 20926	1993	8228 15050
	8	150.2 150.2	REP2 REP2			770.0169678		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20285	5876 9743	10542
E08		150.2	REP2				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20218	14131	6087
H09	2	150.2	REP3		BDNF	229.3640289	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	15209	2694	12515
G09		150.2	REP3			369.9060059		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20783	5607	15176
F09 E09	16	150.2 150.2	REP3			779.7370605 1442.346191		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20333 20033	9853 14154	10480 5879
D10		200	REP3			367.4277954		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20033	5417	14777
C10		200	REP1			496.4408569		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21589	7432	14157
B10		200	REP1			1029.013184		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20796	12124	8672
A10		200	REP1			1725.638428		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19756	15199	4557
D11 C11		200	REP2 REP2			270.5541992 489.1371765		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20906 20393	4295 6937	16611 13456
B11		200	REP2			928.2289429		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	21226	11583	9643
A11		200	REP2			1924.338501		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19762	15912	3850
D12		200	REP3			273.9222107		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19806	4114	15692
C12		200	REP3			429.7421265		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20706	6336	14370
B12 A12		200	REP3			902.715271 1716.783447	OK	DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20370 19823	10913 15216	9457 4607
D01		RS	REP1				OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19415	2079	17336
C01	4	RS	REP1		BDNF	222.2429047	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19990	3441	16549
B01	8	RS	REP1			533.5421753		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19303	7038	12265
A01		RS	REP1			1162.303711		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	17409	10927	6482
D02		RS RS	REP2 REP2			128.9781799 250.839859	OK	DQ DQ	Unknown Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	19762 20618	2052 3959	17710 16659
302		RS	REP2			614.6605835		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	19219	7821	11398
A02		RS	REP2			1223.330322		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	17442	11276	6166
003		RS	REP3			139.3134003		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20927	2337	18590
203		RS	REP3			285.4790344		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM	20932	4510	16422
303 403	16	RS RS	REP3			721.9449463 1367.024902		DQ DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM ddPCR Supermix for Probes (No dUTP) FAM	20474 19318	9390 13274	11084
	NTC	10	IVET 3			0.670353651		DQ	Unknown	Unknown	ddPCR Supermix for Probes (No dUTP) FAM  ddPCR Supermix for Probes (no dUTP) FAM	21066	13274	21054
11	NTC					0.281836599		DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20874	5	20869
E12	NTC				BDNF	0.38757062	OK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	21252	7	21245
	PC					1510.759277		DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20958	15155	5803
	PC					1492.258545		DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	20631	14828	5803
	PC				RNNF	1402.989014	UK	DQ	Unknown	Unknown	ddPCR Supermix for Probes (no dUTP) FAM	19743	13752	5991