sam_2024-12-11_09-47-17_CFX96-HSP70-02.pcrd

12/12/2024 22:27

Report Information

User: BioRad/sam
Data File Name: sam_2024-12-11_09-47-17_CFX96-HSP70-02.pcrd
Data File Path: C:\Users\Samb\Downloads\lifestage-pcrs
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 12/11/2024 09:47
Run User: sam
Run Type: User-defined
Plate File: cgig-HSP70-cfx-plate-02.pltd
ID:
Notes:
Sample Volume: 20
Temperature Control Mode: Calculated
Lid Temperature: 105
Base Serial Number: CC009827
Optical Head Serial Number: 785BR3659

Protocol

1: 95.0°C for 0:30
2: 95.0°C for 0:03
3: 60.0°C for 0:05
Plate Read
4: GOTO 2, 39 more times
5: Melt Curve 65.0°C to 95.0°C: Increment 0.5°C 0:05
Plate Read

Plate Display

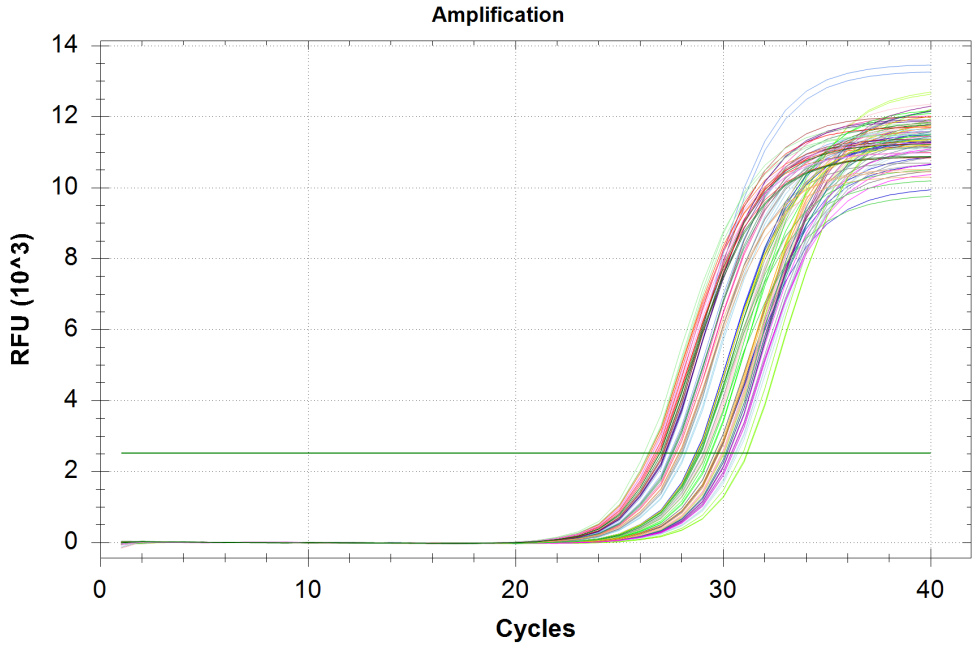
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_HSP70_F/R (SR IDs: 598/9) 270	Unk-1 Cg_HSP70_F/R (SR IDs: 598/9) 270	Unk-1 Cg_HSP70_F/R (SR IDs: 598/9) 270	Unk-2 Cg_HSP70_F/R (SR IDs: 598/9) 271	Unk-2 Cg_HSP70_F/R (SR IDs: 598/9) 271	Unk-2 Cg_HSP70_F/R (SR IDs: 598/9) 271	Unk-3 Cg_HSP70_F/R (SR IDs: 598/9) 272	Unk-3 Cg_HSP70_F/R (SR IDs: 598/9) 272	Unk-3 Cg_HSP70_F/R (SR IDs: 598/9) 272	Unk-4 Cg_HSP70_F/R (SR IDs: 598/9) 273	Unk-4 Cg_HSP70_F/R (SR IDs: 598/9) 273	Unk-4 Cg_HSP70_F/R (SR IDs: 598/9) 273
B	Unk-5 Cg_HSP70_F/R (SR IDs: 598/9) 275	Unk-5 Cg_HSP70_F/R (SR IDs: 598/9) 275	Unk-5 Cg_HSP70_F/R (SR IDs: 598/9) 275	Unk-6 Cg_HSP70_F/R (SR IDs: 598/9) 276	Unk-6 Cg_HSP70_F/R (SR IDs: 598/9) 276	Unk-6 Cg_HSP70_F/R (SR IDs: 598/9) 276	Unk-7 Cg_HSP70_F/R (SR IDs: 598/9) 277	Unk-7 Cg_HSP70_F/R (SR IDs: 598/9) 277	Unk-7 Cg_HSP70_F/R (SR IDs: 598/9) 277	Unk-8 Cg_HSP70_F/R (SR IDs: 598/9) 279	Unk-8 Cg_HSP70_F/R (SR IDs: 598/9) 279	Unk-8 Cg_HSP70_F/R (SR IDs: 598/9) 279
C	Unk-9 Cg_HSP70_F/R (SR IDs: 598/9) 280	Unk-9 Cg_HSP70_F/R (SR IDs: 598/9) 280	Unk-9 Cg_HSP70_F/R (SR IDs: 598/9) 280	Unk-10 Cg_HSP70_F/R (SR IDs: 598/9) 287	Unk-10 Cg_HSP70_F/R (SR IDs: 598/9) 287	Unk-10 Cg_HSP70_F/R (SR IDs: 598/9) 287	Unk-11 Cg_HSP70_F/R (SR IDs: 598/9) 290	Unk-11 Cg_HSP70_F/R (SR IDs: 598/9) 290	Unk-11 Cg_HSP70_F/R (SR IDs: 598/9) 290	Unk-12 Cg_HSP70_F/R (SR IDs: 598/9) 291	Unk-12 Cg_HSP70_F/R (SR IDs: 598/9) 291	Unk-12 Cg_HSP70_F/R (SR IDs: 598/9) 291

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 Cg_HSP70 _F/R (SR IDs: 598/9) 293	Unk-13 Cg_HSP70 _F/R (SR IDs: 598/9) 293	Unk-13 Cg_HSP70 _F/R (SR IDs: 598/9) 293	Unk-14 Cg_HSP70 _F/R (SR IDs: 598/9) 294	Unk-14 Cg_HSP70 _F/R (SR IDs: 598/9) 294	Unk-14 Cg_HSP70 _F/R (SR IDs: 598/9) 294	Unk-15 Cg_HSP70 _F/R (SR IDs: 598/9) 295	Unk-15 Cg_HSP70 _F/R (SR IDs: 598/9) 295	Unk-15 Cg_HSP70 _F/R (SR IDs: 598/9) 295	Unk-16 Cg_HSP70 _F/R (SR IDs: 598/9) 297	Unk-16 Cg_HSP70 _F/R (SR IDs: 598/9) 297	Unk-16 Cg_HSP70 _F/R (SR IDs: 598/9) 297
E	Unk-17 Cg_HSP70 _F/R (SR IDs: 598/9) 301	Unk-17 Cg_HSP70 _F/R (SR IDs: 598/9) 301	Unk-17 Cg_HSP70 _F/R (SR IDs: 598/9) 301	Unk-18 Cg_HSP70 _F/R (SR IDs: 598/9) 302	Unk-18 Cg_HSP70 _F/R (SR IDs: 598/9) 302	Unk-18 Cg_HSP70 _F/R (SR IDs: 598/9) 302	Unk-19 Cg_HSP70 _F/R (SR IDs: 598/9) 306	Unk-19 Cg_HSP70 _F/R (SR IDs: 598/9) 306	Unk-19 Cg_HSP70 _F/R (SR IDs: 598/9) 306	Unk-20 Cg_HSP70 _F/R (SR IDs: 598/9) 310	Unk-20 Cg_HSP70 _F/R (SR IDs: 598/9) 310	Unk-20 Cg_HSP70 _F/R (SR IDs: 598/9) 310
F	Unk-21 Cg_HSP70 _F/R (SR IDs: 598/9) 311	Unk-21 Cg_HSP70 _F/R (SR IDs: 598/9) 311	Unk-21 Cg_HSP70 _F/R (SR IDs: 598/9) 311	Unk-22 Cg_HSP70 _F/R (SR IDs: 598/9) 316	Unk-22 Cg_HSP70 _F/R (SR IDs: 598/9) 316	Unk-22 Cg_HSP70 _F/R (SR IDs: 598/9) 316	Unk-23 Cg_HSP70 _F/R (SR IDs: 598/9) 317	Unk-23 Cg_HSP70 _F/R (SR IDs: 598/9) 317	Unk-23 Cg_HSP70 _F/R (SR IDs: 598/9) 317	Unk-24 Cg_HSP70 _F/R (SR IDs: 598/9) 318	Unk-24 Cg_HSP70 _F/R (SR IDs: 598/9) 318	Unk-24 Cg_HSP70 _F/R (SR IDs: 598/9) 318
G	Unk-25 Cg_HSP70 _F/R (SR IDs: 598/9) 324	Unk-25 Cg_HSP70 _F/R (SR IDs: 598/9) 324	Unk-25 Cg_HSP70 _F/R (SR IDs: 598/9) 324	Unk-26 Cg_HSP70 _F/R (SR IDs: 598/9) 326	Unk-26 Cg_HSP70 _F/R (SR IDs: 598/9) 326	Unk-26 Cg_HSP70 _F/R (SR IDs: 598/9) 326	Unk-27 Cg_HSP70 _F/R (SR IDs: 598/9) 334	Unk-27 Cg_HSP70 _F/R (SR IDs: 598/9) 334	Unk-27 Cg_HSP70 _F/R (SR IDs: 598/9) 334	Unk-28 Cg_HSP70 _F/R (SR IDs: 598/9) 341	Unk-28 Cg_HSP70 _F/R (SR IDs: 598/9) 341	Unk-28 Cg_HSP70 _F/R (SR IDs: 598/9) 341
H	Unk-29 Cg_HSP70 _F/R (SR IDs: 598/9) 343	Unk-29 Cg_HSP70 _F/R (SR IDs: 598/9) 343	Unk-29 Cg_HSP70 _F/R (SR IDs: 598/9) 343	Unk-30 Cg_HSP70 _F/R (SR IDs: 598/9) 344	Unk-30 Cg_HSP70 _F/R (SR IDs: 598/9) 344	Unk-30 Cg_HSP70 _F/R (SR IDs: 598/9) 344	Unk-31 Cg_HSP70 _F/R (SR IDs: 598/9) 346	Unk-31 Cg_HSP70 _F/R (SR IDs: 598/9) 346	Unk-31 Cg_HSP70 _F/R (SR IDs: 598/9) 346	Unk-32 Cg_HSP70 _F/R (SR IDs: 598/9) 349	Unk-32 Cg_HSP70 _F/R (SR IDs: 598/9) 349	Unk-32 Cg_HSP70 _F/R (SR IDs: 598/9) 349

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 2524.98, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-01	270	29.03	29.04	0.016

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-01	270	29.05	29.04	0.016
A03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-01	270	29.06	29.04	0.016
A04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-02	271	30.04	30.03	0.092
A05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-02	271	29.93	30.03	0.092
A06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-02	271	30.11	30.03	0.092
A07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-03	272	26.50	26.45	0.042
A08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-03	272	26.43	26.45	0.042
A09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-03	272	26.42	26.45	0.042
A10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-04	273	29.79	29.75	0.031
A11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-04	273	29.73	29.75	0.031
A12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-04	273	29.75	29.75	0.031
B01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-05	275	27.73	27.70	0.045
B02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-05	275	27.73	27.70	0.045
B03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-05	275	27.65	27.70	0.045
B04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-06	276	27.45	27.30	0.132
B05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-06	276	27.19	27.30	0.132
B06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-06	276	27.28	27.30	0.132
B07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-07	277	30.03	30.03	0.024
B08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-07	277	30.00	30.03	0.024
B09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-07	277	30.05	30.03	0.024
B10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-08	279	30.46	30.41	0.044
B11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-08	279	30.38	30.41	0.044
B12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-08	279	30.40	30.41	0.044
C01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-09	280	27.50	27.54	0.038
C02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-09	280	27.54	27.54	0.038
C03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-09	280	27.58	27.54	0.038
C04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-10	287	31.13	31.08	0.126
C05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-10	287	30.93	31.08	0.126

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
C06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-10	287	31.17	31.08	0.126
C07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-11	290	27.21	27.21	0.025
C08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-11	290	27.23	27.21	0.025
C09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-11	290	27.18	27.21	0.025
C10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-12	291	29.59	29.64	0.089
C11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-12	291	29.58	29.64	0.089
C12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-12	291	29.74	29.64	0.089
D01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-13	293	30.01	29.98	0.037
D02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-13	293	29.94	29.98	0.037
D03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-13	293	29.99	29.98	0.037
D04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-14	294	29.37	29.35	0.075
D05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-14	294	29.41	29.35	0.075
D06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-14	294	29.26	29.35	0.075
D07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-15	295	30.26	30.24	0.053
D08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-15	295	30.28	30.24	0.053
D09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-15	295	30.18	30.24	0.053
D10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-16	297	28.91	28.84	0.071
D11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-16	297	28.77	28.84	0.071
D12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-16	297	28.84	28.84	0.071
E01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-17	301	28.66	28.69	0.041
E02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-17	301	28.67	28.69	0.041
E03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-17	301	28.74	28.69	0.041
E04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-18	302	29.19	29.15	0.040
E05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-18	302	29.14	29.15	0.040
E06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-18	302	29.11	29.15	0.040
E07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-19	306	27.09	27.11	0.021
E08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-19	306	27.12	27.11	0.021
E09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-19	306	27.12	27.11	0.021

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-20	310	26.70	26.79	0.087
E11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-20	310	26.87	26.79	0.087
E12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-20	310	26.80	26.79	0.087
F01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-21	311	30.57	30.63	0.063
F02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-21	311	30.61	30.63	0.063
F03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-21	311	30.69	30.63	0.063
F04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-22	316	30.17	30.18	0.067
F05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-22	316	30.12	30.18	0.067
F06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-22	316	30.25	30.18	0.067
F07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-23	317	29.68	29.74	0.059
F08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-23	317	29.74	29.74	0.059
F09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-23	317	29.80	29.74	0.059
F10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-24	318	26.38	26.33	0.123
F11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-24	318	26.41	26.33	0.123
F12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-24	318	26.19	26.33	0.123
G01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-25	324	30.39	30.38	0.102
G02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-25	324	30.47	30.38	0.102
G03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-25	324	30.27	30.38	0.102
G04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-26	326	28.71	28.71	0.009
G05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-26	326	28.72	28.71	0.009
G06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-26	326	28.71	28.71	0.009
G07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-27	334	28.19	28.13	0.073
G08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-27	334	28.15	28.13	0.073
G09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-27	334	28.05	28.13	0.073
G10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-28	341	28.02	27.95	0.071
G11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-28	341	27.96	27.95	0.071
G12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-28	341	27.88	27.95	0.071
H01	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-29	343	28.83	28.96	0.191

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
H02	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-29	343	29.18	28.96	0.191
H03	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-29	343	28.88	28.96	0.191
H04	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-30	344	27.85	27.82	0.092
H05	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-30	344	27.90	27.82	0.092
H06	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-30	344	27.72	27.82	0.092
H07	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-31	346	26.61	26.64	0.093
H08	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-31	346	26.75	26.64	0.093
H09	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-31	346	26.57	26.64	0.093
H10	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-32	349	27.03	26.98	0.051
H11	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-32	349	26.94	26.98	0.051
H12	SYBR	Cg_HSP70_F/R (SR IDs: 598/9)	Unkn-32	349	26.95	26.98	0.051

QC Parameters

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Negative control with a Cq less than	38	True		False	
NTC with a Cq less than	38	True		False	
NRT with a Cq less than	38	True		False	
Positive control with a Cq greater than	30	True		False	
Unknown without a Cq	N/A	True		False	
Standard without a Cq	N/A	True		False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
Std Curve R^2 less than	0.980	True			
Replicate group Cq Std Dev greater than	0.50	True		False	