

sam_2023-12-10_07-50-37_Connect.pcrd 01/16/2024 07:46

Report Information

User: BioRad/sam

Data File Name: sam_2023-12-10_07-50-37_Connect.pcrd **Data File Path:** C:\Users\Samb\Downloads\20231210-qpcr

Well Group Name: All Wells Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 12/10/2023 07:50

Run User: sam

Run Type: User-defined

Plate File: 20231213-qpcr-CAct_test-plate.pltd

ID: Notes:

Sample Volume: 20

Temperature Control Mode: Calculated

Lid Temperature: 105

Base Serial Number: BR006896

Optical Head Serial Number: 788BR07000

Protocol

1: 98.0°C for 3:00 2: 98.0°C for 0:10 3: 60.0°C for 0:30 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
Α	Unk-1 CAct 1000pg	Unk-1 CAct 1000pg	Unk-1 CAct 1000pg	Unk-2 CAct 100pg	Unk-2 CAct 100pg	Unk-2 CAct 100pg	Unk-3 CAct 10pg	Unk-3 CAct 10pg	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
В	Unk-3 CAct 10pg	NTC-1 CAct	NTC-1 CAct	NTC-1 CAct	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR	*Unk SYBR
С	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk
	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR
D	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk
	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR
Е	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk
	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR
F	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk	*Unk
	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR	SYBR

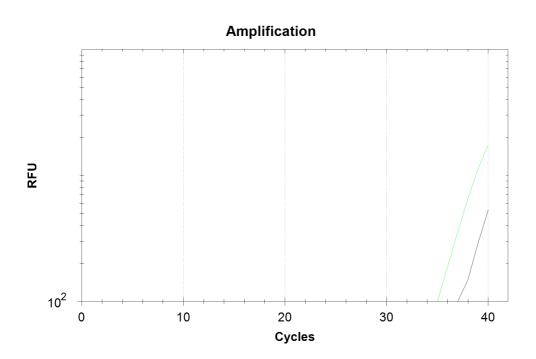
Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
G	*Unk											
	SYBR											
Н	*Unk											
	SYBR											

Quantification

Step #: 3 Analysis Mode: Target Cq Determination: Regression

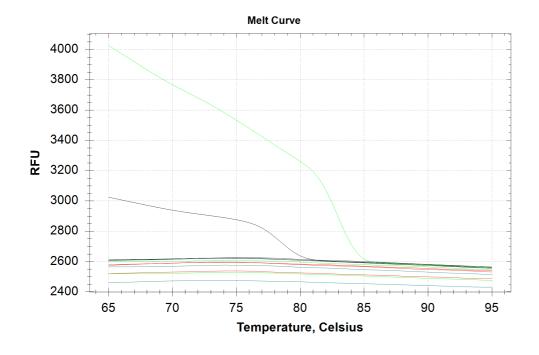
Baseline Method: CAct: Auto Calculated

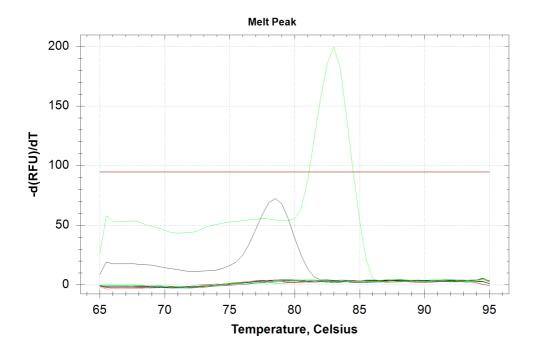


Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	CAct	Unkn-1	1000pg	N/A	0.00	0.000
A02	SYBR	CAct	Unkn-1	1000pg	N/A	0.00	0.000
A03	SYBR	CAct	Unkn-1	1000pg	36.76	36.76	0.000
A04	SYBR	CAct	Unkn-2	100pg	N/A	0.00	0.000
A05	SYBR	CAct	Unkn-2	100pg	39.40	39.40	0.000
A06	SYBR	CAct	Unkn-2	100pg	N/A	0.00	0.000
A07	SYBR	CAct	Unkn-3	10pg	N/A	0.00	0.000
A08	SYBR	CAct	Unkn-3	10pg	N/A	0.00	0.000
B01	SYBR	CAct	Unkn-3	10pg	N/A	0.00	0.000
B02	SYBR	CAct	NTC-1		N/A	0.00	0.000
B03	SYBR	CAct	NTC-1		N/A	0.00	0.000
B04	SYBR	CAct	NTC-1		N/A	0.00	0.000

Melt Curve





Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A01	SYBR	CAct	Unkn-1	1000pg	None
A02	SYBR	CAct	Unkn-1	1000pg	None
A03	SYBR	CAct	Unkn-1	1000pg	83.00
A04	SYBR	CAct	Unkn-2	100pg	None
A05	SYBR	CAct	Unkn-2	100pg	None
A06	SYBR	CAct	Unkn-2	100pg	None

Melt Curve Data

Well	Fluor	Target	Content	Sample	Melt Temp
A07	SYBR	CAct	Unkn-3	10pg	None
A08	SYBR	CAct	Unkn-3	10pg	None
B01	SYBR	CAct	Unkn-3	10pg	None
B02	SYBR	CAct	NTC-1		None
B03	SYBR	CAct	NTC-1		None
B04	SYBR	CAct	NTC-1		None

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	CAct:A1, A2, A4, A6, A7, A8, B1.	False	
Standard without a Cq	N/A	True		False	
Efficiency greater than	110.0	True			
Efficiency less than	90.0	True			
Std Curve R^2 less than	0.980	True			
Replicate group Cq Std Dev greater than	0.20	True		False	