



sam_2023-12-10_07-50-37_Connect.pcrd

12/11/2023 14:39

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

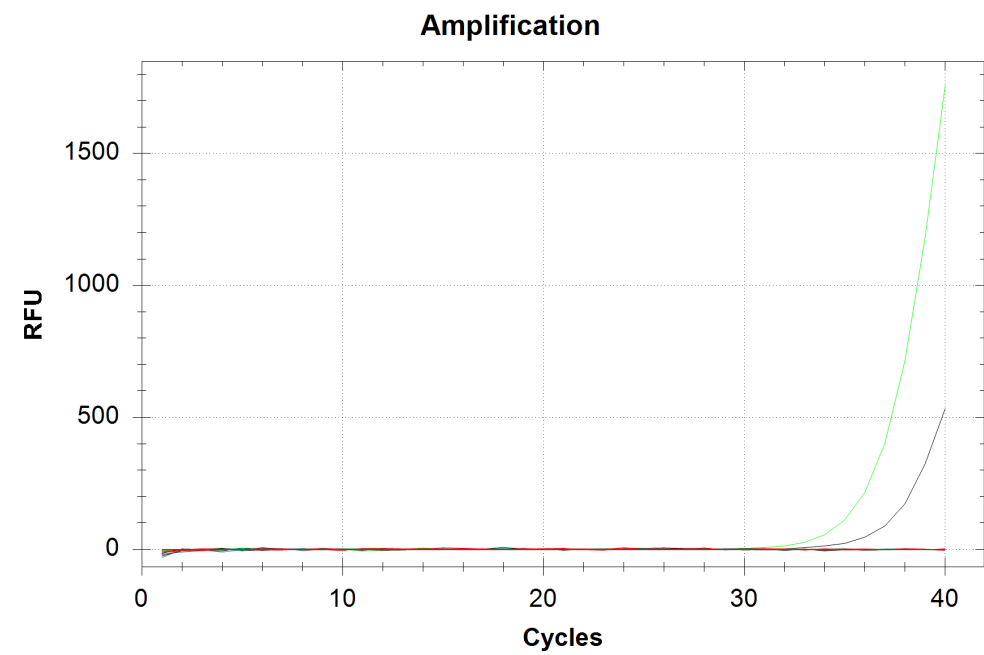
[illegible]

Plate Display

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

Quantification

Step #: 3
Analysis Mode: Target
Cq Determination: Single Threshold
Baseline Method:
CAct: Auto Calculated
Threshold Setting:
CAct: -2.19, Auto Calculated

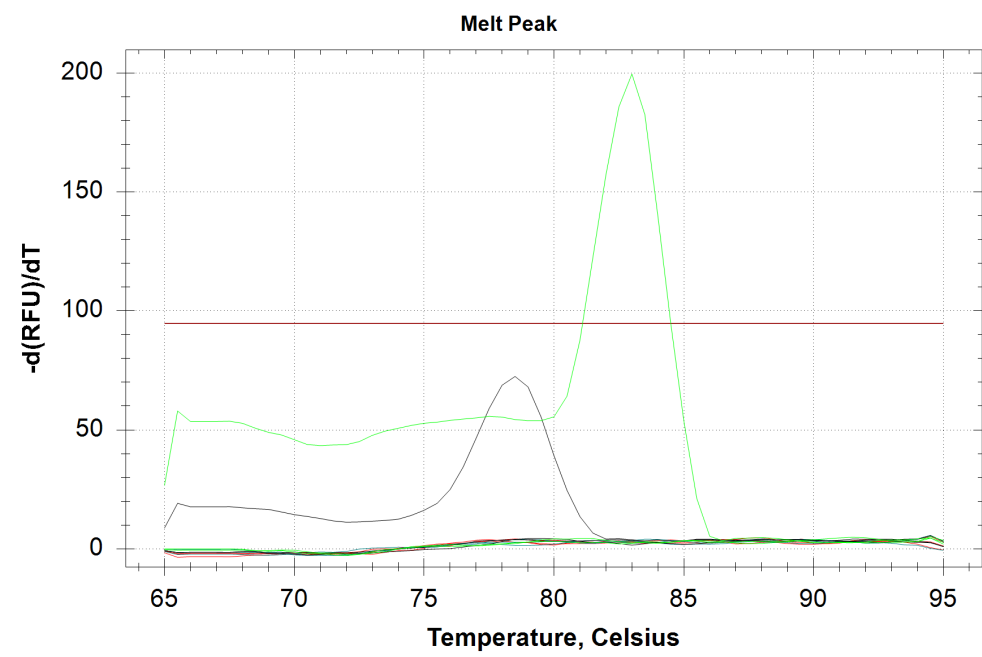
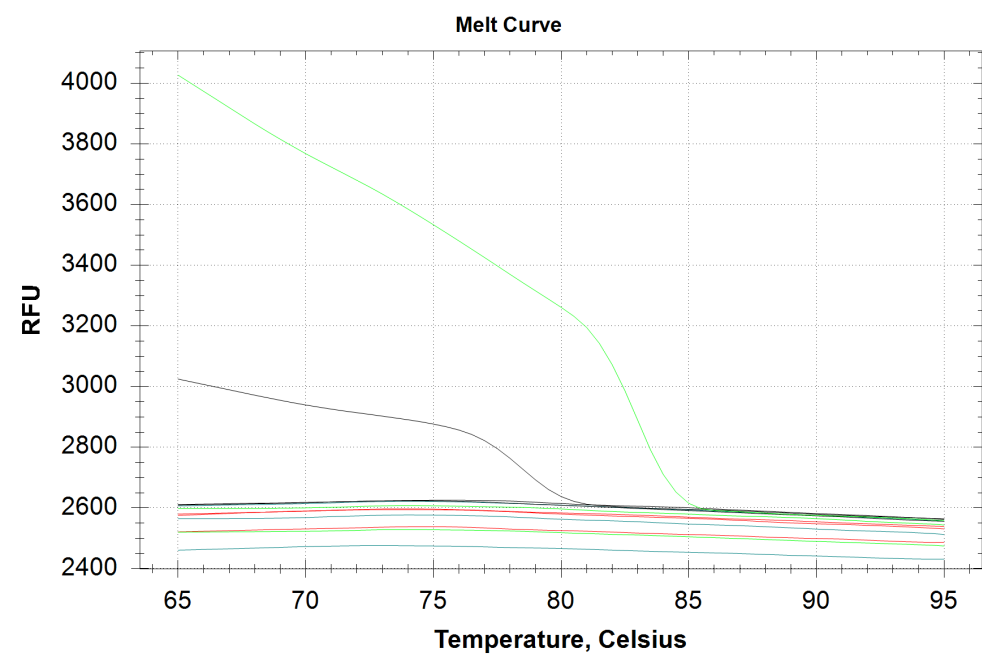


Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|------|-------|--------|---------|--------|-------|---------|-------------|
| A01 | SYBR | CAct | Unkn-1 | 1000pg | 12.32 | 9.19 | 6.187 |
| A02 | SYBR | CAct | Unkn-1 | 1000pg | 13.19 | 9.19 | 6.187 |
| A03 | SYBR | CAct | Unkn-1 | 1000pg | 2.07 | 9.19 | 6.187 |
| A04 | SYBR | CAct | Unkn-2 | 100pg | 8.14 | 25.07 | 15.010 |
| A05 | SYBR | CAct | Unkn-2 | 100pg | 30.36 | 25.07 | 15.010 |
| A06 | SYBR | CAct | Unkn-2 | 100pg | 36.73 | 25.07 | 15.010 |
| A07 | SYBR | CAct | Unkn-3 | 10pg | 36.58 | 16.71 | 17.304 |
| A08 | SYBR | CAct | Unkn-3 | 10pg | 8.60 | 16.71 | 17.304 |
| B01 | SYBR | CAct | Unkn-3 | 10pg | 4.95 | 16.71 | 17.304 |
| B02 | SYBR | CAct | NTC-1 | | 8.53 | 24.83 | 14.581 |
| B03 | SYBR | CAct | NTC-1 | | 29.32 | 24.83 | 14.581 |
| B04 | SYBR | CAct | NTC-1 | | 36.64 | 24.83 | 14.581 |

Melt Curve

Step #: 5



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 |

Melt Curve Data

| Well | Fluor | Target | Content | Sample | Melt Temp |
|------|-------|--------|---------|--------|-----------|
| A05 | SYBR | CAct | Unkn-2 | 100pg | None |
| A06 | SYBR | CAct | Unkn-2 | 100pg | None |
| 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 | CAct:B2, B3, B4. | 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 | | | |
| Std Curve R^2 less than | 0.980 | True | | | |
| Replicate group Cq Std Dev greater than | 0.20 | True | CAct:A1, A2, A3, A4, A5, A6, A7, A8, B1, B2, B3, B4. | False | |