# sam_2026-01-28_14-25-31_CFX96-HSP70-02.pcrd

01/29/2026 13:27

## Report Information

**User:** BioRad/sam
**Data File Name:** sam_2026-01-28_14-25-31_CFX96-HSP70-02.pcrd
**Data File Path:** C:\Users\Samb\Desktop\qPCR-polyIC
**Well Group Name:** All Wells
**Report Differs from Last Save:** No

## Run Setup

### Run Information

**Run Date:** 01/28/2026 14:25
**Run User:** sam
**Run Type:** User-defined
**Plate File:** mgig-02-HSP70-polyIC-valentina-cfx-plate.pltd
**ID:**
**Notes:** HSP70 - Primer SRIDs 598 and 599
**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

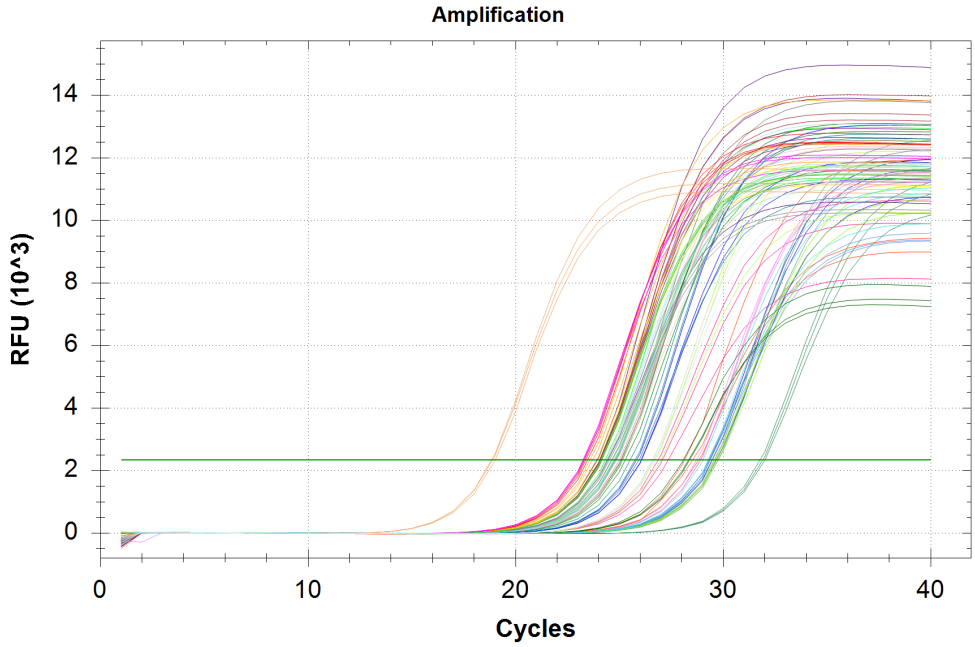
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | Unk-1 HSP70 C3M | Unk-1 HSP70 C3M | Unk-1 HSP70 C3M | Unk-2 HSP70 C4M | Unk-2 HSP70 C4M | Unk-2 HSP70 C4M | Unk-3 HSP70 C5M | Unk-3 HSP70 C5M | Unk-3 HSP70 C5M | Unk-4 HSP70 D1M | Unk-4 HSP70 D1M | Unk-4 HSP70 D1M |
| B | Unk-5 HSP70 D2M | Unk-5 HSP70 D2M | Unk-5 HSP70 D2M | Unk-6 HSP70 D3M | Unk-6 HSP70 D3M | Unk-6 HSP70 D3M | Unk-7 HSP70 D4M | Unk-7 HSP70 D4M | Unk-7 HSP70 D4M | Unk-8 HSP70 D5M | Unk-8 HSP70 D5M | Unk-8 HSP70 D5M |
| C | Unk-9 HSP70 A1T | Unk-9 HSP70 A1T | Unk-9 HSP70 A1T | Unk-10 HSP70 A2T | Unk-10 HSP70 A2T | Unk-10 HSP70 A2T | Unk-11 HSP70 A3T | Unk-11 HSP70 A3T | Unk-11 HSP70 A3T | Unk-12 HSP70 A4T | Unk-12 HSP70 A4T | Unk-12 HSP70 A4T |
| D | Unk-13 HSP70 A5T | Unk-13 HSP70 A5T | Unk-13 HSP70 A5T | Unk-14 HSP70 B1T | Unk-14 HSP70 B1T | Unk-14 HSP70 B1T | Unk-15 HSP70 B2T | Unk-15 HSP70 B2T | Unk-15 HSP70 B2T | Unk-16 HSP70 B3T | Unk-16 HSP70 B3T | Unk-16 HSP70 B3T |
| E | Unk-17 HSP70 B4T | Unk-17 HSP70 B4T | Unk-17 HSP70 B4T | Unk-18 HSP70 B5T | Unk-18 HSP70 B5T | Unk-18 HSP70 B5T | Unk-19 HSP70 C1T | Unk-19 HSP70 C1T | Unk-19 HSP70 C1T | Unk-20 HSP70 C2T | Unk-20 HSP70 C2T | Unk-20 HSP70 C2T |

## Plate Display

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | Unk-21 HSP70 C3T | Unk-21 HSP70 C3T | Unk-21 HSP70 C3T | Unk-22 HSP70 C4T | Unk-22 HSP70 C4T | Unk-22 HSP70 C4T | Unk-23 HSP70 C5T | Unk-23 HSP70 C5T | Unk-23 HSP70 C5T | Unk-24 HSP70 D1T | Unk-24 HSP70 D1T | Unk-24 HSP70 D1T |
| G | Unk-25 HSP70 D2T | Unk-25 HSP70 D2T | Unk-25 HSP70 D2T | Unk-26 HSP70 D3T | Unk-26 HSP70 D3T | Unk-26 HSP70 D3T | Unk-27 HSP70 D4T | Unk-27 HSP70 D4T | Unk-27 HSP70 D4T | Unk-28 HSP70 D5T | Unk-28 HSP70 D5T | Unk-28 HSP70 D5T |
| H | Unk-29 HSP70 C1PC | Unk-29 HSP70 C1PC | Unk-29 HSP70 C1PC | Unk-30 HSP70 C2PC | Unk-30 HSP70 C2PC | Unk-30 HSP70 C2PC | Unk-31 HSP70 C3PC | Unk-31 HSP70 C3PC | Unk-31 HSP70 C3PC | Unk-32 HSP70 D1PC | Unk-32 HSP70 D1PC | Unk-32 HSP70 D1PC |

# Quantification

**Step #:** 3
**Analysis Mode:** Fluorophore
**Cq Determination:** Single Threshold
**Baseline Method:**
SYBR: Auto Calculated
**Threshold Setting:**
SYBR: 2333.72, Auto Calculated




## Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|---|---|---|---|---|---|---|---|
| A01 | SYBR | HSP70 | Unkn-01 | C3M | 28.52 | 28.48 | 0.340 |
| A02 | SYBR | HSP70 | Unkn-01 | C3M | 28.13 | 28.48 | 0.340 |
| A03 | SYBR | HSP70 | Unkn-01 | C3M | 28.81 | 28.48 | 0.340 |
| A04 | SYBR | HSP70 | Unkn-02 | C4M | 29.46 | 29.49 | 0.156 |
| A05 | SYBR | HSP70 | Unkn-02 | C4M | 29.35 | 29.49 | 0.156 |
| A06 | SYBR | HSP70 | Unkn-02 | C4M | 29.66 | 29.49 | 0.156 |
| A07 | SYBR | HSP70 | Unkn-03 | C5M | 26.86 | 27.09 | 0.243 |
| A08 | SYBR | HSP70 | Unkn-03 | C5M | 27.34 | 27.09 | 0.243 |
| A09 | SYBR | HSP70 | Unkn-03 | C5M | 27.07 | 27.09 | 0.243 |
| A10 | SYBR | HSP70 | Unkn-04 | D1M | 29.45 | 29.35 | 0.083 |

Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|---|---|---|---|---|---|---|---|
| A11 | SYBR | HSP70 | Unkn-04 | D1M | 29.32 | 29.35 | 0.083 |
| A12 | SYBR | HSP70 | Unkn-04 | D1M | 29.29 | 29.35 | 0.083 |
| B01 | SYBR | HSP70 | Unkn-05 | D2M | 26.57 | 26.75 | 0.221 |
| B02 | SYBR | HSP70 | Unkn-05 | D2M | 27.00 | 26.75 | 0.221 |
| B03 | SYBR | HSP70 | Unkn-05 | D2M | 26.68 | 26.75 | 0.221 |
| B04 | SYBR | HSP70 | Unkn-06 | D3M | 29.56 | 29.59 | 0.131 |
| B05 | SYBR | HSP70 | Unkn-06 | D3M | 29.48 | 29.59 | 0.131 |
| B06 | SYBR | HSP70 | Unkn-06 | D3M | 29.73 | 29.59 | 0.131 |
| B07 | SYBR | HSP70 | Unkn-07 | D4M | 31.76 | 31.89 | 0.122 |
| B08 | SYBR | HSP70 | Unkn-07 | D4M | 31.90 | 31.89 | 0.122 |
| B09 | SYBR | HSP70 | Unkn-07 | D4M | 32.01 | 31.89 | 0.122 |
| B10 | SYBR | HSP70 | Unkn-08 | D5M | 29.76 | 29.67 | 0.084 |
| B11 | SYBR | HSP70 | Unkn-08 | D5M | 29.64 | 29.67 | 0.084 |
| B12 | SYBR | HSP70 | Unkn-08 | D5M | 29.60 | 29.67 | 0.084 |
| C01 | SYBR | HSP70 | Unkn-09 | A1T | 24.43 | 24.14 | 0.261 |
| C02 | SYBR | HSP70 | Unkn-09 | A1T | 23.93 | 24.14 | 0.261 |
| C03 | SYBR | HSP70 | Unkn-09 | A1T | 24.05 | 24.14 | 0.261 |
| C04 | SYBR | HSP70 | Unkn-10 | A2T | 24.81 | 24.96 | 0.133 |
| C05 | SYBR | HSP70 | Unkn-10 | A2T | 25.00 | 24.96 | 0.133 |
| C06 | SYBR | HSP70 | Unkn-10 | A2T | 25.06 | 24.96 | 0.133 |
| C07 | SYBR | HSP70 | Unkn-11 | A3T | 24.72 | 24.78 | 0.072 |
| C08 | SYBR | HSP70 | Unkn-11 | A3T | 24.75 | 24.78 | 0.072 |
| C09 | SYBR | HSP70 | Unkn-11 | A3T | 24.86 | 24.78 | 0.072 |
| C10 | SYBR | HSP70 | Unkn-12 | A4T | 24.78 | 24.57 | 0.237 |
| C11 | SYBR | HSP70 | Unkn-12 | A4T | 24.31 | 24.57 | 0.237 |
| C12 | SYBR | HSP70 | Unkn-12 | A4T | 24.61 | 24.57 | 0.237 |
| D01 | SYBR | HSP70 | Unkn-13 | A5T | 24.05 | 24.09 | 0.042 |
| D02 | SYBR | HSP70 | Unkn-13 | A5T | 24.08 | 24.09 | 0.042 |
| D03 | SYBR | HSP70 | Unkn-13 | A5T | 24.13 | 24.09 | 0.042 |
| D04 | SYBR | HSP70 | Unkn-14 | B1T | 25.14 | 25.16 | 0.100 |
| D05 | SYBR | HSP70 | Unkn-14 | B1T | 25.08 | 25.16 | 0.100 |
| D06 | SYBR | HSP70 | Unkn-14 | B1T | 25.27 | 25.16 | 0.100 |
| D07 | SYBR | HSP70 | Unkn-15 | B2T | 26.05 | 25.97 | 0.139 |
| D08 | SYBR | HSP70 | Unkn-15 | B2T | 25.81 | 25.97 | 0.139 |
| D09 | SYBR | HSP70 | Unkn-15 | B2T | 26.06 | 25.97 | 0.139 |
| D10 | SYBR | HSP70 | Unkn-16 | B3T | 25.05 | 25.05 | 0.057 |
| D11 | SYBR | HSP70 | Unkn-16 | B3T | 24.99 | 25.05 | 0.057 |
| D12 | SYBR | HSP70 | Unkn-16 | B3T | 25.11 | 25.05 | 0.057 |
| E01 | SYBR | HSP70 | Unkn-17 | B4T | 24.15 | 24.10 | 0.040 |
| E02 | SYBR | HSP70 | Unkn-17 | B4T | 24.07 | 24.10 | 0.040 |
| E03 | SYBR | HSP70 | Unkn-17 | B4T | 24.10 | 24.10 | 0.040 |
| E04 | SYBR | HSP70 | Unkn-18 | B5T | 23.46 | 23.38 | 0.076 |
| E05 | SYBR | HSP70 | Unkn-18 | B5T | 23.31 | 23.38 | 0.076 |
| E06 | SYBR | HSP70 | Unkn-18 | B5T | 23.37 | 23.38 | 0.076 |
| E07 | SYBR | HSP70 | Unkn-19 | C1T | 24.37 | 24.40 | 0.057 |
| E08 | SYBR | HSP70 | Unkn-19 | C1T | 24.37 | 24.40 | 0.057 |
| E09 | SYBR | HSP70 | Unkn-19 | C1T | 24.47 | 24.40 | 0.057 |
| E10 | SYBR | HSP70 | Unkn-20 | C2T | 25.74 | 25.73 | 0.213 |
| E11 | SYBR | HSP70 | Unkn-20 | C2T | 25.51 | 25.73 | 0.213 |

## Quantification Data

| Well | Fluor | Target | Content | Sample | Cq | Cq Mean | Cq Std. Dev |
|---|---|---|---|---|---|---|---|
| E12 | SYBR | HSP70 | Unkn-20 | C2T | 25.93 | 25.73 | 0.213 |
| F01 | SYBR | HSP70 | Unkn-21 | C3T | 23.70 | 23.72 | 0.160 |
| F02 | SYBR | HSP70 | Unkn-21 | C3T | 23.57 | 23.72 | 0.160 |
| F03 | SYBR | HSP70 | Unkn-21 | C3T | 23.89 | 23.72 | 0.160 |
| F04 | SYBR | HSP70 | Unkn-22 | C4T | 24.62 | 24.66 | 0.055 |
| F05 | SYBR | HSP70 | Unkn-22 | C4T | 24.72 | 24.66 | 0.055 |
| F06 | SYBR | HSP70 | Unkn-22 | C4T | 24.64 | 24.66 | 0.055 |
| F07 | SYBR | HSP70 | Unkn-23 | C5T | 23.24 | 23.25 | 0.023 |
| F08 | SYBR | HSP70 | Unkn-23 | C5T | 23.28 | 23.25 | 0.023 |
| F09 | SYBR | HSP70 | Unkn-23 | C5T | 23.24 | 23.25 | 0.023 |
| F10 | SYBR | HSP70 | Unkn-24 | D1T | 23.98 | 24.06 | 0.071 |
| F11 | SYBR | HSP70 | Unkn-24 | D1T | 24.10 | 24.06 | 0.071 |
| F12 | SYBR | HSP70 | Unkn-24 | D1T | 24.11 | 24.06 | 0.071 |
| G01 | SYBR | HSP70 | Unkn-25 | D2T | 24.73 | 24.78 | 0.057 |
| G02 | SYBR | HSP70 | Unkn-25 | D2T | 24.76 | 24.78 | 0.057 |
| G03 | SYBR | HSP70 | Unkn-25 | D2T | 24.84 | 24.78 | 0.057 |
| G04 | SYBR | HSP70 | Unkn-26 | D3T | 24.42 | 24.52 | 0.104 |
| G05 | SYBR | HSP70 | Unkn-26 | D3T | 24.51 | 24.52 | 0.104 |
| G06 | SYBR | HSP70 | Unkn-26 | D3T | 24.63 | 24.52 | 0.104 |
| G07 | SYBR | HSP70 | Unkn-27 | D4T | 24.14 | 24.12 | 0.024 |
| G08 | SYBR | HSP70 | Unkn-27 | D4T | 24.12 | 24.12 | 0.024 |
| G09 | SYBR | HSP70 | Unkn-27 | D4T | 24.09 | 24.12 | 0.024 |
| G10 | SYBR | HSP70 | Unkn-28 | D5T | 19.01 | 18.90 | 0.095 |
| G11 | SYBR | HSP70 | Unkn-28 | D5T | 18.87 | 18.90 | 0.095 |
| G12 | SYBR | HSP70 | Unkn-28 | D5T | 18.83 | 18.90 | 0.095 |
| H01 | SYBR | HSP70 | Unkn-29 | C1PC | 28.89 | 28.84 | 0.118 |
| H02 | SYBR | HSP70 | Unkn-29 | C1PC | 28.70 | 28.84 | 0.118 |
| H03 | SYBR | HSP70 | Unkn-29 | C1PC | 28.92 | 28.84 | 0.118 |
| H04 | SYBR | HSP70 | Unkn-30 | C2PC | 28.32 | 28.26 | 0.161 |
| H05 | SYBR | HSP70 | Unkn-30 | C2PC | 28.37 | 28.26 | 0.161 |
| H06 | SYBR | HSP70 | Unkn-30 | C2PC | 28.07 | 28.26 | 0.161 |
| H07 | SYBR | HSP70 | Unkn-31 | C3PC | 29.02 | 29.22 | 0.178 |
| H08 | SYBR | HSP70 | Unkn-31 | C3PC | 29.37 | 29.22 | 0.178 |
| H09 | SYBR | HSP70 | Unkn-31 | C3PC | 29.26 | 29.22 | 0.178 |
| H10 | SYBR | HSP70 | Unkn-32 | D1PC | 26.56 | 26.63 | 0.071 |
| H11 | SYBR | HSP70 | Unkn-32 | D1PC | 26.62 | 26.63 | 0.071 |
| H12 | SYBR | HSP70 | Unkn-32 | D1PC | 26.70 | 26.63 | 0.071 |

## 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 | | | |
| Std Curve R^2 less than | 0.980 | True | | | |
| Replicate group Cq Std Dev greater than | 0.50 | True | | False | |