



sam_2026-01-27_15-30-47_CFX96-citrate_synthase-02.pcrd

01/29/2026 12:57

Report Information

User: BioRad/sam

Data File Name: sam_2026-01-27_15-30-47_CFX96-citrate_synthase-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: 01/27/2026 15:31

Run User: sam

Run Type: User-defined

Plate File: mgig-02-citrate_synthase-polyIC-valentina-cfx-plate.pltd

ID:

Notes: citrate synthase- Primer SRIDs 1383 and 1384

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 citrate_synt hase C3M	Unk-1 citrate_synt hase C3M	Unk-1 citrate_synt hase C3M	Unk-2 citrate_synt hase C4M	Unk-2 citrate_synt hase C4M	Unk-3 citrate_synt hase C4M	Unk-3 citrate_synt hase C5M	Unk-3 citrate_synt hase C5M	Unk-3 citrate_synt hase C5M	Unk-4 citrate_synt hase D1M	Unk-4 citrate_synt hase D1M	Unk-4 citrate_synt hase D1M
B	Unk-5 citrate_synt hase D2M	Unk-5 citrate_synt hase D2M	Unk-5 citrate_synt hase D2M	Unk-6 citrate_synt hase D3M	Unk-6 citrate_synt hase D3M	Unk-6 citrate_synt hase D3M	Unk-7 citrate_synt hase D4M	Unk-7 citrate_synt hase D4M	Unk-7 citrate_synt hase D4M	Unk-8 citrate_synt hase D5M	Unk-8 citrate_synt hase D5M	Unk-8 citrate_synt hase D5M
C	Unk-9 citrate_synt hase A1T	Unk-9 citrate_synt hase A1T	Unk-9 citrate_synt hase A1T	Unk-10 citrate_synt hase A2T	Unk-10 citrate_synt hase A2T	Unk-10 citrate_synt hase A2T	Unk-11 citrate_synt hase A3T	Unk-11 citrate_synt hase A3T	Unk-11 citrate_synt hase A3T	Unk-12 citrate_synt hase A4T	Unk-12 citrate_synt hase A4T	Unk-12 citrate_synt hase A4T

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 citrate_synt hase A5T	Unk-13 citrate_synt hase A5T	Unk-13 citrate_synt hase A5T	Unk-14 citrate_synt hase B1T	Unk-14 citrate_synt hase B1T	Unk-14 citrate_synt hase B1T	Unk-15 citrate_synt hase B2T	Unk-15 citrate_synt hase B2T	Unk-16 citrate_synt hase B3T	Unk-16 citrate_synt hase B3T	Unk-16 citrate_synt hase B3T	Unk-16 citrate_synt hase B3T
E	Unk-17 citrate_synt hase B4T	Unk-17 citrate_synt hase B4T	Unk-17 citrate_synt hase B4T	Unk-18 citrate_synt hase B5T	Unk-18 citrate_synt hase B5T	Unk-18 citrate_synt hase B5T	Unk-19 citrate_synt hase C1T	Unk-19 citrate_synt hase C1T	Unk-20 citrate_synt hase C2T	Unk-20 citrate_synt hase C2T	Unk-20 citrate_synt hase C2T	Unk-20 citrate_synt hase C2T
F	Unk-21 citrate_synt hase C3T	Unk-21 citrate_synt hase C3T	Unk-21 citrate_synt hase C3T	Unk-22 citrate_synt hase C4T	Unk-22 citrate_synt hase C4T	Unk-22 citrate_synt hase C4T	Unk-23 citrate_synt hase C5T	Unk-23 citrate_synt hase C5T	Unk-24 citrate_synt hase D1T	Unk-24 citrate_synt hase D1T	Unk-24 citrate_synt hase D1T	Unk-24 citrate_synt hase D1T
G	Unk-25 citrate_synt hase D2T	Unk-25 citrate_synt hase D2T	Unk-25 citrate_synt hase D2T	Unk-26 citrate_synt hase D3T	Unk-26 citrate_synt hase D3T	Unk-26 citrate_synt hase D3T	Unk-27 citrate_synt hase D4T	Unk-27 citrate_synt hase D4T	Unk-28 citrate_synt hase D5T	Unk-28 citrate_synt hase D5T	Unk-28 citrate_synt hase D5T	Unk-28 citrate_synt hase D5T
H	Unk-29 citrate_synt hase C1PC	Unk-29 citrate_synt hase C1PC	Unk-29 citrate_synt hase C1PC	Unk-30 citrate_synt hase C2PC	Unk-30 citrate_synt hase C2PC	Unk-30 citrate_synt hase C2PC	Unk-31 citrate_synt hase C3PC	Unk-31 citrate_synt hase C3PC	Unk-31 citrate_synt hase C3PC	Unk-32 citrate_synt hase D1PC	Unk-32 citrate_synt hase D1PC	Unk-32 citrate_synt hase D1PC

Quantification

Step #: 3

Analysis Mode: Fluorophore

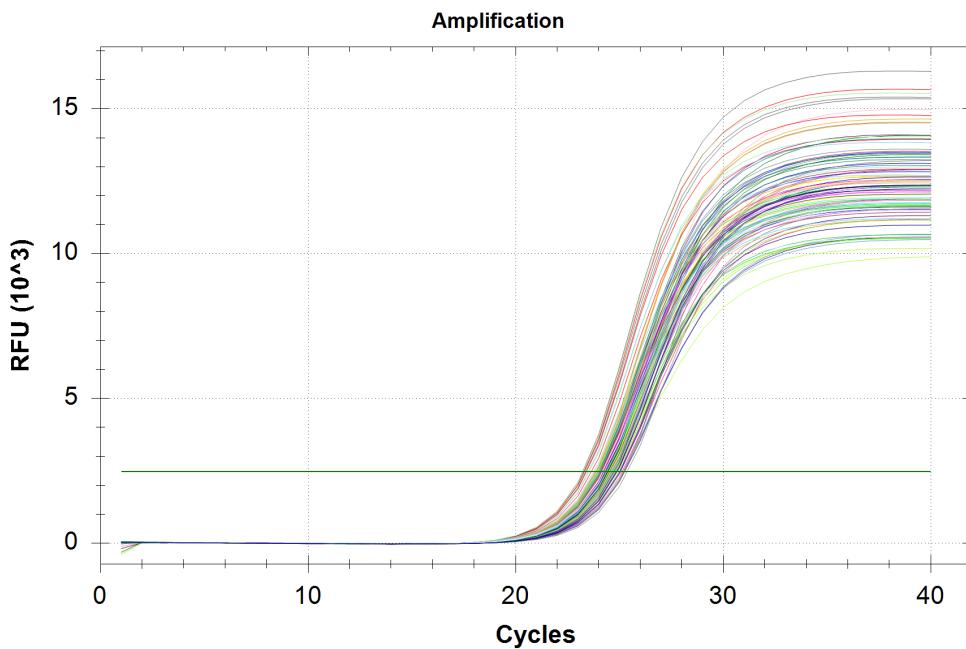
Cq Determination: Single Threshold

Baseline Method:

SYBR: Auto Calculated

Threshold Setting:

SYBR: 2465.64, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	citrate synthase	Unkn-01	C3M	24.61	24.45	0.153
A02	SYBR	citrate synthase	Unkn-01	C3M	24.44	24.45	0.153
A03	SYBR	citrate synthase	Unkn-01	C3M	24.30	24.45	0.153

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	citrate_synthase	Unkn-02	C4M	25.04	25.01	0.124
A05	SYBR	citrate_synthase	Unkn-02	C4M	24.88	25.01	0.124
A06	SYBR	citrate_synthase	Unkn-02	C4M	25.12	25.01	0.124
A07	SYBR	citrate_synthase	Unkn-03	C5M	25.21	24.99	0.366
A08	SYBR	citrate_synthase	Unkn-03	C5M	24.56	24.99	0.366
A09	SYBR	citrate_synthase	Unkn-03	C5M	25.18	24.99	0.366
A10	SYBR	citrate_synthase	Unkn-04	D1M	25.16	24.85	0.270
A11	SYBR	citrate_synthase	Unkn-04	D1M	24.66	24.85	0.270
A12	SYBR	citrate_synthase	Unkn-04	D1M	24.74	24.85	0.270
B01	SYBR	citrate_synthase	Unkn-05	D2M	23.84	23.93	0.082
B02	SYBR	citrate_synthase	Unkn-05	D2M	23.94	23.93	0.082
B03	SYBR	citrate_synthase	Unkn-05	D2M	24.01	23.93	0.082
B04	SYBR	citrate_synthase	Unkn-06	D3M	24.13	24.10	0.028
B05	SYBR	citrate_synthase	Unkn-06	D3M	24.08	24.10	0.028
B06	SYBR	citrate_synthase	Unkn-06	D3M	24.08	24.10	0.028
B07	SYBR	citrate_synthase	Unkn-07	D4M	24.90	24.84	0.089
B08	SYBR	citrate_synthase	Unkn-07	D4M	24.74	24.84	0.089
B09	SYBR	citrate_synthase	Unkn-07	D4M	24.88	24.84	0.089
B10	SYBR	citrate_synthase	Unkn-08	D5M	25.24	25.04	0.201
B11	SYBR	citrate_synthase	Unkn-08	D5M	24.84	25.04	0.201
B12	SYBR	citrate_synthase	Unkn-08	D5M	25.04	25.04	0.201
C01	SYBR	citrate_synthase	Unkn-09	A1T	23.37	23.30	0.074
C02	SYBR	citrate_synthase	Unkn-09	A1T	23.22	23.30	0.074
C03	SYBR	citrate_synthase	Unkn-09	A1T	23.31	23.30	0.074
C04	SYBR	citrate_synthase	Unkn-10	A2T	24.26	24.37	0.106
C05	SYBR	citrate_synthase	Unkn-10	A2T	24.48	24.37	0.106
C06	SYBR	citrate_synthase	Unkn-10	A2T	24.38	24.37	0.106
C07	SYBR	citrate_synthase	Unkn-11	A3T	23.99	24.05	0.063
C08	SYBR	citrate_synthase	Unkn-11	A3T	24.11	24.05	0.063
C09	SYBR	citrate_synthase	Unkn-11	A3T	24.06	24.05	0.063
C10	SYBR	citrate_synthase	Unkn-12	A4T	24.43	24.29	0.163
C11	SYBR	citrate_synthase	Unkn-12	A4T	24.11	24.29	0.163
C12	SYBR	citrate_synthase	Unkn-12	A4T	24.33	24.29	0.163
D01	SYBR	citrate_synthase	Unkn-13	A5T	24.52	24.48	0.066
D02	SYBR	citrate_synthase	Unkn-13	A5T	24.53	24.48	0.066
D03	SYBR	citrate_synthase	Unkn-13	A5T	24.41	24.48	0.066
D04	SYBR	citrate_synthase	Unkn-14	B1T	24.32	24.32	0.106
D05	SYBR	citrate_synthase	Unkn-14	B1T	24.22	24.32	0.106
D06	SYBR	citrate_synthase	Unkn-14	B1T	24.43	24.32	0.106
D07	SYBR	citrate_synthase	Unkn-15	B2T	24.62	24.55	0.076
D08	SYBR	citrate_synthase	Unkn-15	B2T	24.47	24.55	0.076
D09	SYBR	citrate_synthase	Unkn-15	B2T	24.57	24.55	0.076
D10	SYBR	citrate_synthase	Unkn-16	B3T	24.15	24.22	0.068
D11	SYBR	citrate_synthase	Unkn-16	B3T	24.22	24.22	0.068
D12	SYBR	citrate_synthase	Unkn-16	B3T	24.29	24.22	0.068
E01	SYBR	citrate_synthase	Unkn-17	B4T	23.63	23.44	0.181
E02	SYBR	citrate_synthase	Unkn-17	B4T	23.28	23.44	0.181
E03	SYBR	citrate_synthase	Unkn-17	B4T	23.40	23.44	0.181
E04	SYBR	citrate_synthase	Unkn-18	B5T	24.49	24.50	0.030

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E05	SYBR	citrate_synthase	Unkn-18	B5T	24.48	24.50	0.030
E06	SYBR	citrate_synthase	Unkn-18	B5T	24.54	24.50	0.030
E07	SYBR	citrate_synthase	Unkn-19	C1T	24.05	24.05	0.015
E08	SYBR	citrate_synthase	Unkn-19	C1T	24.04	24.05	0.015
E09	SYBR	citrate_synthase	Unkn-19	C1T	24.07	24.05	0.015
E10	SYBR	citrate_synthase	Unkn-20	C2T	23.94	23.90	0.038
E11	SYBR	citrate_synthase	Unkn-20	C2T	23.87	23.90	0.038
E12	SYBR	citrate_synthase	Unkn-20	C2T	23.89	23.90	0.038
F01	SYBR	citrate_synthase	Unkn-21	C3T	23.52	23.52	0.288
F02	SYBR	citrate_synthase	Unkn-21	C3T	23.24	23.52	0.288
F03	SYBR	citrate_synthase	Unkn-21	C3T	23.81	23.52	0.288
F04	SYBR	citrate_synthase	Unkn-22	C4T	24.25	24.22	0.088
F05	SYBR	citrate_synthase	Unkn-22	C4T	24.29	24.22	0.088
F06	SYBR	citrate_synthase	Unkn-22	C4T	24.12	24.22	0.088
F07	SYBR	citrate_synthase	Unkn-23	C5T	24.49	24.51	0.023
F08	SYBR	citrate_synthase	Unkn-23	C5T	24.53	24.51	0.023
F09	SYBR	citrate_synthase	Unkn-23	C5T	24.49	24.51	0.023
F10	SYBR	citrate_synthase	Unkn-24	D1T	23.76	23.73	0.226
F11	SYBR	citrate_synthase	Unkn-24	D1T	23.49	23.73	0.226
F12	SYBR	citrate_synthase	Unkn-24	D1T	23.94	23.73	0.226
G01	SYBR	citrate_synthase	Unkn-25	D2T	25.22	25.25	0.092
G02	SYBR	citrate_synthase	Unkn-25	D2T	25.18	25.25	0.092
G03	SYBR	citrate_synthase	Unkn-25	D2T	25.36	25.25	0.092
G04	SYBR	citrate_synthase	Unkn-26	D3T	24.66	24.69	0.085
G05	SYBR	citrate_synthase	Unkn-26	D3T	24.79	24.69	0.085
G06	SYBR	citrate_synthase	Unkn-26	D3T	24.63	24.69	0.085
G07	SYBR	citrate_synthase	Unkn-27	D4T	24.37	24.19	0.158
G08	SYBR	citrate_synthase	Unkn-27	D4T	24.14	24.19	0.158
G09	SYBR	citrate_synthase	Unkn-27	D4T	24.06	24.19	0.158
G10	SYBR	citrate_synthase	Unkn-28	D5T	24.77	24.71	0.102
G11	SYBR	citrate_synthase	Unkn-28	D5T	24.60	24.71	0.102
G12	SYBR	citrate_synthase	Unkn-28	D5T	24.78	24.71	0.102
H01	SYBR	citrate_synthase	Unkn-29	C1PC	24.43	24.42	0.094
H02	SYBR	citrate_synthase	Unkn-29	C1PC	24.51	24.42	0.094
H03	SYBR	citrate_synthase	Unkn-29	C1PC	24.33	24.42	0.094
H04	SYBR	citrate_synthase	Unkn-30	C2PC	24.37	24.33	0.054
H05	SYBR	citrate_synthase	Unkn-30	C2PC	24.37	24.33	0.054
H06	SYBR	citrate_synthase	Unkn-30	C2PC	24.27	24.33	0.054
H07	SYBR	citrate_synthase	Unkn-31	C3PC	24.27	24.24	0.058
H08	SYBR	citrate_synthase	Unkn-31	C3PC	24.27	24.24	0.058
H09	SYBR	citrate_synthase	Unkn-31	C3PC	24.17	24.24	0.058
H10	SYBR	citrate_synthase	Unkn-32	D1PC	24.72	24.86	0.142
H11	SYBR	citrate_synthase	Unkn-32	D1PC	24.86	24.86	0.142
H12	SYBR	citrate_synthase	Unkn-32	D1PC	25.00	24.86	0.142

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	