sam_2026-01-27_16-31-12_Connect-citrate_synthase-03.pcrd

01/29/2026 12:55

Report Information

User: BioRad/sam
Data File Name: sam_2026-01-27_16-31-12_Connect-citrate_synthase-03.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 16:31
Run User: sam
Run Type: User-defined
Plate File: mgig-03-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: BR006896
Optical Head Serial Number: 788BR07000

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

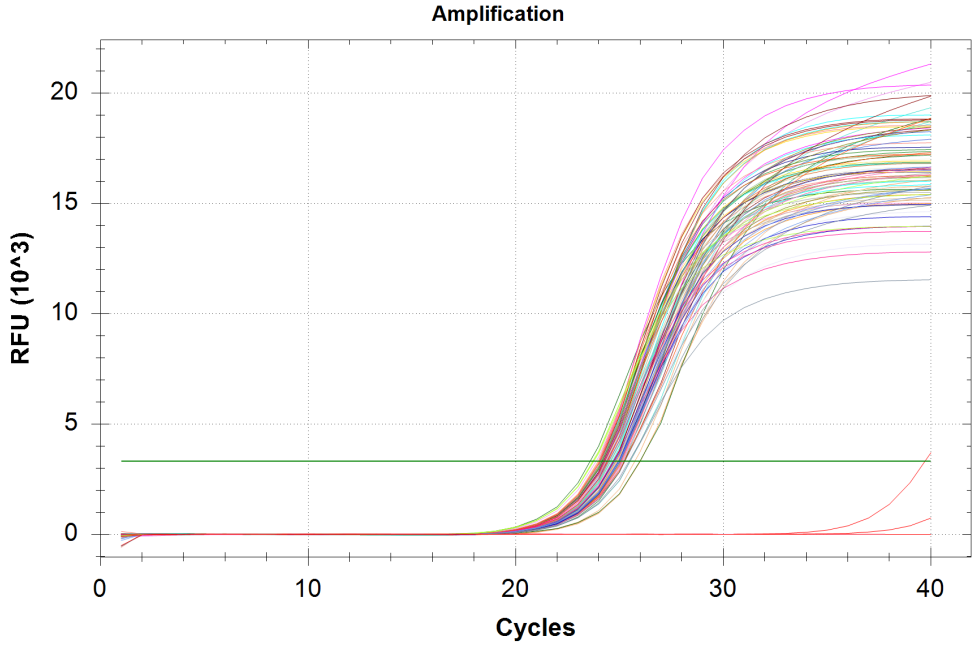
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_citrate_synt D2PC	Unk-1 Cg_citrate_synt D2PC	Unk-1 Cg_citrate_synt D2PC	Unk-2 Cg_citrate_synt D3PC	Unk-2 Cg_citrate_synt D3PC	Unk-2 Cg_citrate_synt D3PC	Unk-3 Cg_citrate_synt D4PC	Unk-3 Cg_citrate_synt D4PC	Unk-3 Cg_citrate_synt D4PC	Unk-4 Cg_citrate_synt D5PC	Unk-4 Cg_citrate_synt D5PC	Unk-4 Cg_citrate_synt D5PC
B	Unk-5 Cg_citrate_synt D1PM	Unk-5 Cg_citrate_synt D1PM	Unk-5 Cg_citrate_synt D1PM	Unk-6 Cg_citrate_synt D2PM	Unk-6 Cg_citrate_synt D2PM	Unk-6 Cg_citrate_synt D2PM	Unk-7 Cg_citrate_synt D3PM	Unk-7 Cg_citrate_synt D3PM	Unk-7 Cg_citrate_synt D3PM	Unk-8 Cg_citrate_synt D4PM	Unk-8 Cg_citrate_synt D4PM	Unk-8 Cg_citrate_synt D4PM
C	Unk-9 Cg_citrate_synt D4PM	Unk-9 Cg_citrate_synt D4PM	Unk-9 Cg_citrate_synt D4PM	Unk-10 Cg_citrate_synt A1PT	Unk-10 Cg_citrate_synt A1PT	Unk-10 Cg_citrate_synt A1PT	Unk-11 Cg_citrate_synt A2PT	Unk-11 Cg_citrate_synt A2PT	Unk-11 Cg_citrate_synt A2PT	Unk-12 Cg_citrate_synt A3PT	Unk-12 Cg_citrate_synt A3PT	Unk-12 Cg_citrate_synt A3PT

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 Cg_citrate_synt A4PT	Unk-13 Cg_citrate_synt A4PT	Unk-13 Cg_citrate_synt A4PT	Unk-14 Cg_citrate_synt A5PT	Unk-14 Cg_citrate_synt A5PT	Unk-14 Cg_citrate_synt A5PT	Unk-15 Cg_citrate_synt B1PT	Unk-15 Cg_citrate_synt B1PT	Unk-15 Cg_citrate_synt B1PT	Unk-16 Cg_citrate_synt B2PT	Unk-16 Cg_citrate_synt B2PT	Unk-16 Cg_citrate_synt B2PT
E	Unk-17 Cg_citrate_synt B3PT	Unk-17 Cg_citrate_synt B3PT	Unk-17 Cg_citrate_synt B3PT	Unk-18 Cg_citrate_synt B4PT	Unk-18 Cg_citrate_synt B4PT	Unk-18 Cg_citrate_synt B4PT	Unk-19 Cg_citrate_synt B5PT	Unk-19 Cg_citrate_synt B5PT	Unk-19 Cg_citrate_synt B5PT	Unk-20 Cg_citrate_synt C1PT	Unk-20 Cg_citrate_synt C1PT	Unk-20 Cg_citrate_synt C1PT
F	Unk-21 Cg_citrate_synt C2PT	Unk-21 Cg_citrate_synt C2PT	Unk-21 Cg_citrate_synt C2PT	Unk-22 Cg_citrate_synt C3PT	Unk-22 Cg_citrate_synt C3PT	Unk-22 Cg_citrate_synt C3PT	Unk-23 Cg_citrate_synt C4PT	Unk-23 Cg_citrate_synt C4PT	Unk-23 Cg_citrate_synt C4PT	Unk-24 Cg_citrate_synt C5PT	Unk-24 Cg_citrate_synt C5PT	Unk-24 Cg_citrate_synt C5PT
G	Unk-25 Cg_citrate_synt D1PT	Unk-25 Cg_citrate_synt D1PT	Unk-25 Cg_citrate_synt D1PT	Unk-26 Cg_citrate_synt D2PT	Unk-26 Cg_citrate_synt D2PT	Unk-26 Cg_citrate_synt D2PT	Unk-27 Cg_citrate_synt D3PT	Unk-27 Cg_citrate_synt D3PT	Unk-27 Cg_citrate_synt D3PT	Unk-28 Cg_citrate_synt D4PT	Unk-28 Cg_citrate_synt D4PT	Unk-28 Cg_citrate_synt D4PT
H	Unk-29 Cg_citrate_synt D5PT	Unk-29 Cg_citrate_synt D5PT	Unk-29 Cg_citrate_synt D5PT	NTC-1 Cg_citrate_synt	NTC-1 Cg_citrate_synt	NTC-1 Cg_citrate_synt						

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3318.84, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_citrate_synt	Unkn-01	D2PC	26.01	25.92	0.151
A02	SYBR	Cg_citrate_synt	Unkn-01	D2PC	26.00	25.92	0.151
A03	SYBR	Cg_citrate_synt	Unkn-01	D2PC	25.74	25.92	0.151

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	Cg_citrate_synt	Unkn-02	D3PC	23.88	24.09	0.299
A05	SYBR	Cg_citrate_synt	Unkn-02	D3PC	24.30	24.09	0.299
A06	SYBR	Cg_citrate_synt	Unkn-02	D3PC	N/A	0.00	0.000
A07	SYBR	Cg_citrate_synt	Unkn-03	D4PC	23.59	24.94	1.226
A08	SYBR	Cg_citrate_synt	Unkn-03	D4PC	25.23	24.94	1.226
A09	SYBR	Cg_citrate_synt	Unkn-03	D4PC	25.99	24.94	1.226
A10	SYBR	Cg_citrate_synt	Unkn-04	D5PC	25.51	25.23	0.253
A11	SYBR	Cg_citrate_synt	Unkn-04	D5PC	25.16	25.23	0.253
A12	SYBR	Cg_citrate_synt	Unkn-04	D5PC	25.02	25.23	0.253
B01	SYBR	Cg_citrate_synt	Unkn-05	D1PM	25.38	25.22	0.135
B02	SYBR	Cg_citrate_synt	Unkn-05	D1PM	25.17	25.22	0.135
B03	SYBR	Cg_citrate_synt	Unkn-05	D1PM	25.12	25.22	0.135
B04	SYBR	Cg_citrate_synt	Unkn-06	D2PM	24.24	24.23	0.046
B05	SYBR	Cg_citrate_synt	Unkn-06	D2PM	24.18	24.23	0.046
B06	SYBR	Cg_citrate_synt	Unkn-06	D2PM	24.27	24.23	0.046
B07	SYBR	Cg_citrate_synt	Unkn-07	D3PM	24.82	24.68	0.134
B08	SYBR	Cg_citrate_synt	Unkn-07	D3PM	24.55	24.68	0.134
B09	SYBR	Cg_citrate_synt	Unkn-07	D3PM	24.66	24.68	0.134
B10	SYBR	Cg_citrate_synt	Unkn-08	D4PM	24.58	24.40	0.259
B11	SYBR	Cg_citrate_synt	Unkn-08	D4PM	24.10	24.40	0.259
B12	SYBR	Cg_citrate_synt	Unkn-08	D4PM	24.50	24.40	0.259
C01	SYBR	Cg_citrate_synt	Unkn-09	D4PM	24.66	24.51	0.135
C02	SYBR	Cg_citrate_synt	Unkn-09	D4PM	24.50	24.51	0.135
C03	SYBR	Cg_citrate_synt	Unkn-09	D4PM	24.39	24.51	0.135
C04	SYBR	Cg_citrate_synt	Unkn-10	A1PT	24.02	24.11	0.080
C05	SYBR	Cg_citrate_synt	Unkn-10	A1PT	24.14	24.11	0.080
C06	SYBR	Cg_citrate_synt	Unkn-10	A1PT	24.16	24.11	0.080
C07	SYBR	Cg_citrate_synt	Unkn-11	A2PT	24.16	24.19	0.082
C08	SYBR	Cg_citrate_synt	Unkn-11	A2PT	24.13	24.19	0.082
C09	SYBR	Cg_citrate_synt	Unkn-11	A2PT	24.28	24.19	0.082
C10	SYBR	Cg_citrate_synt	Unkn-12	A3PT	24.27	24.33	0.335
C11	SYBR	Cg_citrate_synt	Unkn-12	A3PT	24.04	24.33	0.335
C12	SYBR	Cg_citrate_synt	Unkn-12	A3PT	24.70	24.33	0.335
D01	SYBR	Cg_citrate_synt	Unkn-13	A4PT	25.03	24.92	0.100
D02	SYBR	Cg_citrate_synt	Unkn-13	A4PT	24.90	24.92	0.100
D03	SYBR	Cg_citrate_synt	Unkn-13	A4PT	24.84	24.92	0.100
D04	SYBR	Cg_citrate_synt	Unkn-14	A5PT	24.49	24.60	0.121
D05	SYBR	Cg_citrate_synt	Unkn-14	A5PT	24.58	24.60	0.121
D06	SYBR	Cg_citrate_synt	Unkn-14	A5PT	24.73	24.60	0.121
D07	SYBR	Cg_citrate_synt	Unkn-15	B1PT	24.72	24.62	0.170
D08	SYBR	Cg_citrate_synt	Unkn-15	B1PT	24.42	24.62	0.170
D09	SYBR	Cg_citrate_synt	Unkn-15	B1PT	24.71	24.62	0.170
D10	SYBR	Cg_citrate_synt	Unkn-16	B2PT	24.96	25.02	0.052
D11	SYBR	Cg_citrate_synt	Unkn-16	B2PT	25.07	25.02	0.052
D12	SYBR	Cg_citrate_synt	Unkn-16	B2PT	25.02	25.02	0.052
E01	SYBR	Cg_citrate_synt	Unkn-17	B3PT	24.24	24.09	0.135
E02	SYBR	Cg_citrate_synt	Unkn-17	B3PT	23.98	24.09	0.135
E03	SYBR	Cg_citrate_synt	Unkn-17	B3PT	24.05	24.09	0.135
E04	SYBR	Cg_citrate_synt	Unkn-18	B4PT	25.10	25.00	0.085

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E05	SYBR	Cg_citrate_synt	Unkn-18	B4PT	24.93	25.00	0.085
E06	SYBR	Cg_citrate_synt	Unkn-18	B4PT	24.98	25.00	0.085
E07	SYBR	Cg_citrate_synt	Unkn-19	B5PT	25.07	25.00	0.061
E08	SYBR	Cg_citrate_synt	Unkn-19	B5PT	24.96	25.00	0.061
E09	SYBR	Cg_citrate_synt	Unkn-19	B5PT	24.97	25.00	0.061
E10	SYBR	Cg_citrate_synt	Unkn-20	C1PT	24.23	24.52	0.631
E11	SYBR	Cg_citrate_synt	Unkn-20	C1PT	24.10	24.52	0.631
E12	SYBR	Cg_citrate_synt	Unkn-20	C1PT	25.25	24.52	0.631
F01	SYBR	Cg_citrate_synt	Unkn-21	C2PT	25.08	24.87	0.380
F02	SYBR	Cg_citrate_synt	Unkn-21	C2PT	24.44	24.87	0.380
F03	SYBR	Cg_citrate_synt	Unkn-21	C2PT	25.11	24.87	0.380
F04	SYBR	Cg_citrate_synt	Unkn-22	C3PT	24.11	24.19	0.135
F05	SYBR	Cg_citrate_synt	Unkn-22	C3PT	24.13	24.19	0.135
F06	SYBR	Cg_citrate_synt	Unkn-22	C3PT	24.35	24.19	0.135
F07	SYBR	Cg_citrate_synt	Unkn-23	C4PT	25.17	25.12	0.043
F08	SYBR	Cg_citrate_synt	Unkn-23	C4PT	25.08	25.12	0.043
F09	SYBR	Cg_citrate_synt	Unkn-23	C4PT	25.12	25.12	0.043
F10	SYBR	Cg_citrate_synt	Unkn-24	C5PT	24.31	24.53	0.615
F11	SYBR	Cg_citrate_synt	Unkn-24	C5PT	24.06	24.53	0.615
F12	SYBR	Cg_citrate_synt	Unkn-24	C5PT	25.23	24.53	0.615
G01	SYBR	Cg_citrate_synt	Unkn-25	D1PT	24.96	24.91	0.134
G02	SYBR	Cg_citrate_synt	Unkn-25	D1PT	24.77	24.91	0.134
G03	SYBR	Cg_citrate_synt	Unkn-25	D1PT	25.02	24.91	0.134
G04	SYBR	Cg_citrate_synt	Unkn-26	D2PT	24.47	24.52	0.175
G05	SYBR	Cg_citrate_synt	Unkn-26	D2PT	24.38	24.52	0.175
G06	SYBR	Cg_citrate_synt	Unkn-26	D2PT	24.72	24.52	0.175
G07	SYBR	Cg_citrate_synt	Unkn-27	D3PT	25.02	24.93	0.130
G08	SYBR	Cg_citrate_synt	Unkn-27	D3PT	24.99	24.93	0.130
G09	SYBR	Cg_citrate_synt	Unkn-27	D3PT	24.78	24.93	0.130
G10	SYBR	Cg_citrate_synt	Unkn-28	D4PT	23.77	23.74	0.026
G11	SYBR	Cg_citrate_synt	Unkn-28	D4PT	23.74	23.74	0.026
G12	SYBR	Cg_citrate_synt	Unkn-28	D4PT	23.72	23.74	0.026
H01	SYBR	Cg_citrate_synt	Unkn-29	D5PT	25.46	25.42	0.131
H02	SYBR	Cg_citrate_synt	Unkn-29	D5PT	25.52	25.42	0.131
H03	SYBR	Cg_citrate_synt	Unkn-29	D5PT	25.27	25.42	0.131
H04	SYBR	Cg_citrate_synt	NTC-01		N/A	0.00	0.000
H05	SYBR	Cg_citrate_synt	NTC-01		N/A	0.00	0.000
H06	SYBR	Cg_citrate_synt	NTC-01		39.72	39.72	0.000

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	SYBR:A6.	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	SYBR:A7, A8, A9, E10, E11, E12, F10, F11, F12.	False	