sam_2026-01-27_15-32-08_Connect-citrate_synthase-01.pcrd

01/29/2026 12:26

Report Information

User: BioRad/sam
Data File Name: sam_2026-01-27_15-32-08_Connect-citrate_synthase-01.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 15:32
Run User: sam
Run Type: User-defined
Plate File: mgig-01-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

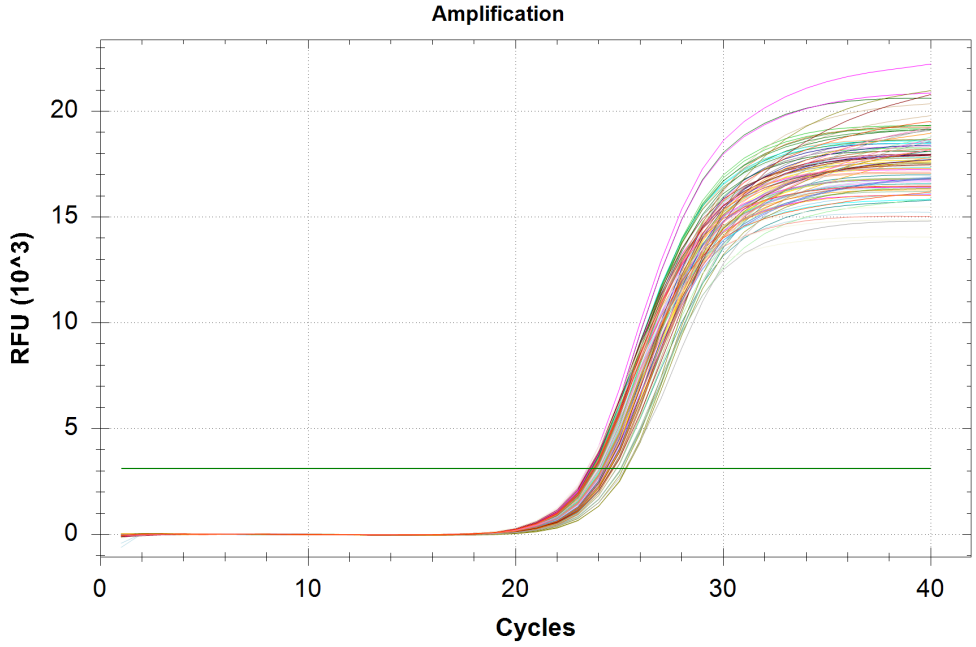
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 citrate_synthase A1C	Unk-1 citrate_synthase A1C	Unk-1 citrate_synthase A1C	Unk-2 citrate_synthase A2C	Unk-2 citrate_synthase A2C	Unk-2 citrate_synthase A2C	Unk-3 citrate_synthase A3C	Unk-3 citrate_synthase A3C	Unk-3 citrate_synthase A3C	Unk-4 citrate_synthase A4C	Unk-4 citrate_synthase A4C	Unk-4 citrate_synthase A4C
B	Unk-5 citrate_synthase A5C	Unk-5 citrate_synthase A5C	Unk-5 citrate_synthase A5C	Unk-6 citrate_synthase B1C	Unk-6 citrate_synthase B1C	Unk-6 citrate_synthase B1C	Unk-7 citrate_synthase B2C	Unk-7 citrate_synthase B2C	Unk-7 citrate_synthase B2C	Unk-8 citrate_synthase B3C	Unk-8 citrate_synthase B3C	Unk-8 citrate_synthase B3C
C	Unk-9 citrate_synthase B4C	Unk-9 citrate_synthase B4C	Unk-9 citrate_synthase B4C	Unk-10 citrate_synthase B5C	Unk-10 citrate_synthase B5C	Unk-10 citrate_synthase B5C	Unk-11 citrate_synthase C1C	Unk-11 citrate_synthase C1C	Unk-11 citrate_synthase C1C	Unk-12 citrate_synthase C2C	Unk-12 citrate_synthase C2C	Unk-12 citrate_synthase C2C

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
D	Unk-13 citrate_synthase C3C	Unk-13 citrate_synthase C3C	Unk-13 citrate_synthase C3C	Unk-14 citrate_synthase C4C	Unk-14 citrate_synthase C4C	Unk-14 citrate_synthase C4C	Unk-15 citrate_synthase C5C	Unk-15 citrate_synthase C5C	Unk-15 citrate_synthase C5C	Unk-16 citrate_synthase D1C	Unk-16 citrate_synthase D1C	Unk-16 citrate_synthase D1C
E	Unk-17 citrate_synthase D2C	Unk-17 citrate_synthase D2C	Unk-17 citrate_synthase D2C	Unk-18 citrate_synthase D3C	Unk-18 citrate_synthase D3C	Unk-18 citrate_synthase D3C	Unk-19 citrate_synthase D4C	Unk-19 citrate_synthase D4C	Unk-19 citrate_synthase D4C	Unk-20 citrate_synthase D5C	Unk-20 citrate_synthase D5C	Unk-20 citrate_synthase D5C
F	Unk-21 citrate_synthase A1M	Unk-21 citrate_synthase A1M	Unk-21 citrate_synthase A1M	Unk-22 citrate_synthase A2M	Unk-22 citrate_synthase A2M	Unk-22 citrate_synthase A2M	Unk-23 citrate_synthase A3M	Unk-23 citrate_synthase A3M	Unk-23 citrate_synthase A3M	Unk-24 citrate_synthase A4M	Unk-24 citrate_synthase A4M	Unk-24 citrate_synthase A4M
G	Unk-25 citrate_synthase A5M	Unk-25 citrate_synthase A5M	Unk-25 citrate_synthase A5M	Unk-26 citrate_synthase B1M	Unk-26 citrate_synthase B1M	Unk-26 citrate_synthase B1M	Unk-27 citrate_synthase B2M	Unk-27 citrate_synthase B2M	Unk-27 citrate_synthase B2M	Unk-28 citrate_synthase B3M	Unk-28 citrate_synthase B3M	Unk-28 citrate_synthase B3M
H	Unk-29 citrate_synthase B4M	Unk-29 citrate_synthase B4M	Unk-29 citrate_synthase B4M	Unk-30 citrate_synthase B5M	Unk-30 citrate_synthase B5M	Unk-30 citrate_synthase B5M	Unk-31 citrate_synthase C1M	Unk-31 citrate_synthase C1M	Unk-31 citrate_synthase C1M	Unk-32 citrate_synthase C2M	Unk-32 citrate_synthase C2M	Unk-32 citrate_synthase C2M

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3118.27, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	citrate_synthase	Unkn-01	A1C	24.08	23.94	0.147
A02	SYBR	citrate_synthase	Unkn-01	A1C	23.96	23.94	0.147
A03	SYBR	citrate_synthase	Unkn-01	A1C	23.79	23.94	0.147

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	citrate_synthase	Unkn-02	A2C	25.07	24.86	0.208
A05	SYBR	citrate_synthase	Unkn-02	A2C	24.65	24.86	0.208
A06	SYBR	citrate_synthase	Unkn-02	A2C	24.86	24.86	0.208
A07	SYBR	citrate_synthase	Unkn-03	A3C	23.68	23.77	0.219
A08	SYBR	citrate_synthase	Unkn-03	A3C	23.61	23.77	0.219
A09	SYBR	citrate_synthase	Unkn-03	A3C	24.02	23.77	0.219
A10	SYBR	citrate_synthase	Unkn-04	A4C	25.09	25.00	0.128
A11	SYBR	citrate_synthase	Unkn-04	A4C	24.86	25.00	0.128
A12	SYBR	citrate_synthase	Unkn-04	A4C	25.05	25.00	0.128
B01	SYBR	citrate_synthase	Unkn-05	A5C	23.80	23.67	0.113
B02	SYBR	citrate_synthase	Unkn-05	A5C	23.63	23.67	0.113
B03	SYBR	citrate_synthase	Unkn-05	A5C	23.59	23.67	0.113
B04	SYBR	citrate_synthase	Unkn-06	B1C	24.52	24.44	0.107
B05	SYBR	citrate_synthase	Unkn-06	B1C	24.32	24.44	0.107
B06	SYBR	citrate_synthase	Unkn-06	B1C	24.49	24.44	0.107
B07	SYBR	citrate_synthase	Unkn-07	B2C	24.09	23.90	0.192
B08	SYBR	citrate_synthase	Unkn-07	B2C	23.71	23.90	0.192
B09	SYBR	citrate_synthase	Unkn-07	B2C	23.89	23.90	0.192
B10	SYBR	citrate_synthase	Unkn-08	B3C	24.17	24.06	0.137
B11	SYBR	citrate_synthase	Unkn-08	B3C	23.90	24.06	0.137
B12	SYBR	citrate_synthase	Unkn-08	B3C	24.09	24.06	0.137
C01	SYBR	citrate_synthase	Unkn-09	B4C	24.06	23.94	0.108
C02	SYBR	citrate_synthase	Unkn-09	B4C	23.85	23.94	0.108
C03	SYBR	citrate_synthase	Unkn-09	B4C	23.90	23.94	0.108
C04	SYBR	citrate_synthase	Unkn-10	B5C	23.79	23.81	0.026
C05	SYBR	citrate_synthase	Unkn-10	B5C	23.84	23.81	0.026
C06	SYBR	citrate_synthase	Unkn-10	B5C	23.80	23.81	0.026
C07	SYBR	citrate_synthase	Unkn-11	C1C	24.23	24.25	0.161
C08	SYBR	citrate_synthase	Unkn-11	C1C	24.09	24.25	0.161
C09	SYBR	citrate_synthase	Unkn-11	C1C	24.41	24.25	0.161
C10	SYBR	citrate_synthase	Unkn-12	C2C	23.84	23.76	0.101
C11	SYBR	citrate_synthase	Unkn-12	C2C	23.65	23.76	0.101
C12	SYBR	citrate_synthase	Unkn-12	C2C	23.79	23.76	0.101
D01	SYBR	citrate_synthase	Unkn-13	C3C	24.18	24.10	0.082
D02	SYBR	citrate_synthase	Unkn-13	C3C	24.10	24.10	0.082
D03	SYBR	citrate_synthase	Unkn-13	C3C	24.02	24.10	0.082
D04	SYBR	citrate_synthase	Unkn-14	C4C	24.13	24.07	0.063
D05	SYBR	citrate_synthase	Unkn-14	C4C	24.01	24.07	0.063
D06	SYBR	citrate_synthase	Unkn-14	C4C	24.08	24.07	0.063
D07	SYBR	citrate_synthase	Unkn-15	C5C	24.47	24.37	0.090
D08	SYBR	citrate_synthase	Unkn-15	C5C	24.29	24.37	0.090
D09	SYBR	citrate_synthase	Unkn-15	C5C	24.36	24.37	0.090
D10	SYBR	citrate_synthase	Unkn-16	D1C	24.69	24.79	0.090
D11	SYBR	citrate_synthase	Unkn-16	D1C	24.85	24.79	0.090
D12	SYBR	citrate_synthase	Unkn-16	D1C	24.85	24.79	0.090
E01	SYBR	citrate_synthase	Unkn-17	D2C	24.12	23.83	0.246
E02	SYBR	citrate_synthase	Unkn-17	D2C	23.71	23.83	0.246
E03	SYBR	citrate_synthase	Unkn-17	D2C	23.67	23.83	0.246
E04	SYBR	citrate_synthase	Unkn-18	D3C	24.50	24.39	0.093

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E05	SYBR	citrate_synthase	Unkn-18	D3C	24.33	24.39	0.093
E06	SYBR	citrate_synthase	Unkn-18	D3C	24.35	24.39	0.093
E07	SYBR	citrate_synthase	Unkn-19	D4C	23.77	23.70	0.065
E08	SYBR	citrate_synthase	Unkn-19	D4C	23.68	23.70	0.065
E09	SYBR	citrate_synthase	Unkn-19	D4C	23.65	23.70	0.065
E10	SYBR	citrate_synthase	Unkn-20	D5C	23.62	23.62	0.161
E11	SYBR	citrate_synthase	Unkn-20	D5C	23.45	23.62	0.161
E12	SYBR	citrate_synthase	Unkn-20	D5C	23.77	23.62	0.161
F01	SYBR	citrate_synthase	Unkn-21	A1M	24.72	24.64	0.083
F02	SYBR	citrate_synthase	Unkn-21	A1M	24.56	24.64	0.083
F03	SYBR	citrate_synthase	Unkn-21	A1M	24.63	24.64	0.083
F04	SYBR	citrate_synthase	Unkn-22	A2M	24.21	24.20	0.045
F05	SYBR	citrate_synthase	Unkn-22	A2M	24.15	24.20	0.045
F06	SYBR	citrate_synthase	Unkn-22	A2M	24.24	24.20	0.045
F07	SYBR	citrate_synthase	Unkn-23	A3M	23.76	23.62	0.120
F08	SYBR	citrate_synthase	Unkn-23	A3M	23.53	23.62	0.120
F09	SYBR	citrate_synthase	Unkn-23	A3M	23.57	23.62	0.120
F10	SYBR	citrate_synthase	Unkn-24	A4M	25.30	25.27	0.091
F11	SYBR	citrate_synthase	Unkn-24	A4M	25.17	25.27	0.091
F12	SYBR	citrate_synthase	Unkn-24	A4M	25.34	25.27	0.091
G01	SYBR	citrate_synthase	Unkn-25	A5M	23.84	23.83	0.078
G02	SYBR	citrate_synthase	Unkn-25	A5M	23.75	23.83	0.078
G03	SYBR	citrate_synthase	Unkn-25	A5M	23.91	23.83	0.078
G04	SYBR	citrate_synthase	Unkn-26	B1M	23.44	23.45	0.045
G05	SYBR	citrate_synthase	Unkn-26	B1M	23.42	23.45	0.045
G06	SYBR	citrate_synthase	Unkn-26	B1M	23.50	23.45	0.045
G07	SYBR	citrate_synthase	Unkn-27	B2M	24.48	24.34	0.151
G08	SYBR	citrate_synthase	Unkn-27	B2M	24.36	24.34	0.151
G09	SYBR	citrate_synthase	Unkn-27	B2M	24.18	24.34	0.151
G10	SYBR	citrate_synthase	Unkn-28	B3M	24.54	24.54	0.155
G11	SYBR	citrate_synthase	Unkn-28	B3M	24.38	24.54	0.155
G12	SYBR	citrate_synthase	Unkn-28	B3M	24.69	24.54	0.155
H01	SYBR	citrate_synthase	Unkn-29	B4M	24.48	24.26	0.192
H02	SYBR	citrate_synthase	Unkn-29	B4M	24.14	24.26	0.192
H03	SYBR	citrate_synthase	Unkn-29	B4M	24.17	24.26	0.192
H04	SYBR	citrate_synthase	Unkn-30	B5M	25.06	25.13	0.117
H05	SYBR	citrate_synthase	Unkn-30	B5M	25.27	25.13	0.117
H06	SYBR	citrate_synthase	Unkn-30	B5M	25.08	25.13	0.117
H07	SYBR	citrate_synthase	Unkn-31	C1M	24.20	24.17	0.122
H08	SYBR	citrate_synthase	Unkn-31	C1M	24.27	24.17	0.122
H09	SYBR	citrate_synthase	Unkn-31	C1M	24.03	24.17	0.122
H10	SYBR	citrate_synthase	Unkn-32	C2M	23.71	23.76	0.052
H11	SYBR	citrate_synthase	Unkn-32	C2M	23.82	23.76	0.052
H12	SYBR	citrate_synthase	Unkn-32	C2M	23.75	23.76	0.052

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	