



sam_2024-12-11_07-40-52_Connect-citrate_synthase-03.pcrd

12/12/2024 14:50

Report Information

User: BioRad/sam
Data File Name: sam_2024-12-11_07-40-52_Connect-citrate_synthase-03.pcrd
Data File Path: C:\Users\Samb\Downloads\lifestage-pcrs
Well Group Name: All Wells
Report Differs from Last Save: No

Run Setup

Run Information

Run Date: 12/11/2024 07:41
Run User: sam
Run Type: User-defined
Plate File: cgig-citrate_synthase-cfx-plate-03.pltd
ID:
Notes:
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

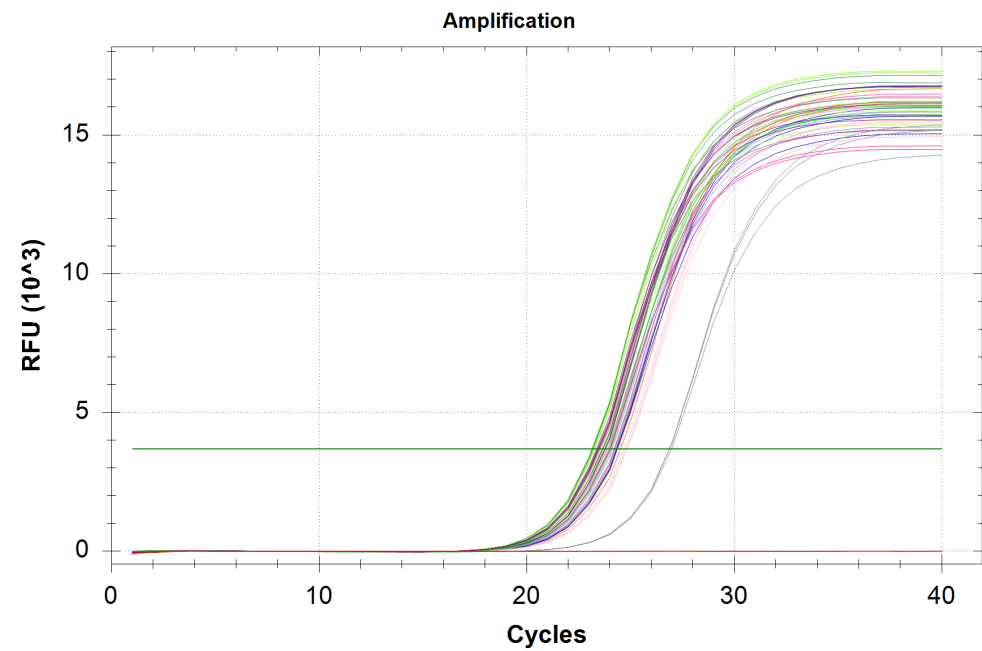
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_citrate_synthase (SR IDs: 1383/4) 351	Unk-1 Cg_citrate_synthase (SR IDs: 1383/4) 351	Unk-1 Cg_citrate_synthase (SR IDs: 1383/4) 351	Unk-2 Cg_citrate_synthase (SR IDs: 1383/4) 353	Unk-2 Cg_citrate_synthase (SR IDs: 1383/4) 353	Unk-2 Cg_citrate_synthase (SR IDs: 1383/4) 353	Unk-3 Cg_citrate_synthase (SR IDs: 1383/4) 355	Unk-3 Cg_citrate_synthase (SR IDs: 1383/4) 355	Unk-3 Cg_citrate_synthase (SR IDs: 1383/4) 355	Unk-4 Cg_citrate_synthase (SR IDs: 1383/4) 357	Unk-4 Cg_citrate_synthase (SR IDs: 1383/4) 357	Unk-4 Cg_citrate_synthase (SR IDs: 1383/4) 357
B	Unk-5 Cg_citrate_synthase (SR IDs: 1383/4) 360	Unk-5 Cg_citrate_synthase (SR IDs: 1383/4) 360	Unk-5 Cg_citrate_synthase (SR IDs: 1383/4) 360	Unk-6 Cg_citrate_synthase (SR IDs: 1383/4) 361	Unk-6 Cg_citrate_synthase (SR IDs: 1383/4) 361	Unk-6 Cg_citrate_synthase (SR IDs: 1383/4) 361	Unk-7 Cg_citrate_synthase (SR IDs: 1383/4) 364	Unk-7 Cg_citrate_synthase (SR IDs: 1383/4) 364	Unk-7 Cg_citrate_synthase (SR IDs: 1383/4) 364	Unk-8 Cg_citrate_synthase (SR IDs: 1383/4) 371	Unk-8 Cg_citrate_synthase (SR IDs: 1383/4) 371	Unk-8 Cg_citrate_synthase (SR IDs: 1383/4) 371

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
C	Unk-9 Cg_citrate_synthase (SR IDs: 1383/4) 374	Unk-9 Cg_citrate_synthase (SR IDs: 1383/4) 374	Unk-9 Cg_citrate_synthase (SR IDs: 1383/4) 374	Unk-10 Cg_citrate_synthase (SR IDs: 1383/4) 378	Unk-10 Cg_citrate_synthase (SR IDs: 1383/4) 378	Unk-10 Cg_citrate_synthase (SR IDs: 1383/4) 378	Unk-11 Cg_citrate_synthase (SR IDs: 1383/4) 381	Unk-11 Cg_citrate_synthase (SR IDs: 1383/4) 381	Unk-11 Cg_citrate_synthase (SR IDs: 1383/4) 381	Unk-12 Cg_citrate_synthase (SR IDs: 1383/4) 386	Unk-12 Cg_citrate_synthase (SR IDs: 1383/4) 386	Unk-12 Cg_citrate_synthase (SR IDs: 1383/4) 386
D	Unk-13 Cg_citrate_synthase (SR IDs: 1383/4) 392	Unk-13 Cg_citrate_synthase (SR IDs: 1383/4) 392	Unk-13 Cg_citrate_synthase (SR IDs: 1383/4) 392	Unk-14 Cg_citrate_synthase (SR IDs: 1383/4) 394	Unk-14 Cg_citrate_synthase (SR IDs: 1383/4) 394	Unk-14 Cg_citrate_synthase (SR IDs: 1383/4) 394	Unk-15 Cg_citrate_synthase (SR IDs: 1383/4) 395	Unk-15 Cg_citrate_synthase (SR IDs: 1383/4) 395	Unk-15 Cg_citrate_synthase (SR IDs: 1383/4) 395	NTC-1 Cg_citrate_synthase (SR IDs: 1383/4) NTC	NTC-1 Cg_citrate_synthase (SR IDs: 1383/4) NTC	NTC-1 Cg_citrate_synthase (SR IDs: 1383/4) NTC
E												
F												
G												
H												

Quantification

Step #: 3
Analysis Mode: Fluorophore
Cq Determination: Single Threshold
Baseline Method:
SYBR: Auto Calculated
Threshold Setting:
SYBR: 3679.38, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-01	351	24.07	24.04	0.031
A02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-01	351	24.01	24.04	0.031
A03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-01	351	24.05	24.04	0.031

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-02	353	23.55	23.53	0.021
A05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-02	353	23.51	23.53	0.021
A06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-02	353	23.54	23.53	0.021
A07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-03	355	24.31	24.35	0.142
A08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-03	355	24.51	24.35	0.142
A09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-03	355	24.24	24.35	0.142
A10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-04	357	24.36	24.35	0.015
A11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-04	357	24.33	24.35	0.015
A12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-04	357	24.36	24.35	0.015
B01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-05	360	24.01	23.97	0.080
B02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-05	360	24.03	23.97	0.080
B03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-05	360	23.88	23.97	0.080
B04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-06	361	24.27	24.20	0.075
B05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-06	361	24.20	24.20	0.075
B06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-06	361	24.12	24.20	0.075
B07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-07	364	23.61	23.60	0.092
B08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-07	364	23.50	23.60	0.092
B09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-07	364	23.68	23.60	0.092
B10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-08	371	26.86	26.90	0.059
B11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-08	371	26.88	26.90	0.059
B12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-08	371	26.97	26.90	0.059
C01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-09	374	23.14	23.16	0.018
C02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-09	374	23.17	23.16	0.018
C03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-09	374	23.18	23.16	0.018
C04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-10	378	23.21	23.23	0.030
C05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-10	378	23.23	23.23	0.030
C06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-10	378	23.27	23.23	0.030
C07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-11	381	23.75	23.73	0.075

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
C08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-11	381	23.79	23.73	0.075
C09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-11	381	23.65	23.73	0.075
C10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-12	386	23.47	23.46	0.035
C11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-12	386	23.49	23.46	0.035
C12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-12	386	23.42	23.46	0.035
D01	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-13	392	24.83	24.78	0.070
D02	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-13	392	24.70	24.78	0.070
D03	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-13	392	24.80	24.78	0.070
D04	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-14	394	23.97	23.87	0.166
D05	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-14	394	23.68	23.87	0.166
D06	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-14	394	23.97	23.87	0.166
D07	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-15	395	23.41	23.41	0.049
D08	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-15	395	23.46	23.41	0.049
D09	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	Unkn-15	395	23.36	23.41	0.049
D10	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	NTC-01	NTC	N/A	0.00	0.000
D11	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	NTC-01	NTC	N/A	0.00	0.000
D12	SYBR	Cg_citrate_synthase (SR IDs: 1383/4)	NTC-01	NTC	N/A	0.00	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	

Data

Description	Value	Use	Results	Exclude Wells	All excluded wells
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	