



# sam\_2026-01-27\_12-35-04\_Connect-cGAS-03.pcrd

1/29/2026 10:16 AM

## Report Information

User: BioRad/sam  
Data File Name: sam\_2026-01-27\_12-35-04\_Connect-cGAS-03.pcrd  
Data File Path: C:\Users\sam\Desktop\polyIC\_qPCRs  
Well Group Name: All Wells  
Report Differs from Last Save: No

## Run Setup

### Run Information

Run Date: 1/27/2026 12:35 PM  
Run User: sam  
Run Type: User-defined  
Plate File: mgig-03-cGAS-polyIC-valentina-cfx-plate.pltd  
ID:  
Notes: cGAS - Primer SRIDs 1826 and 1827  
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

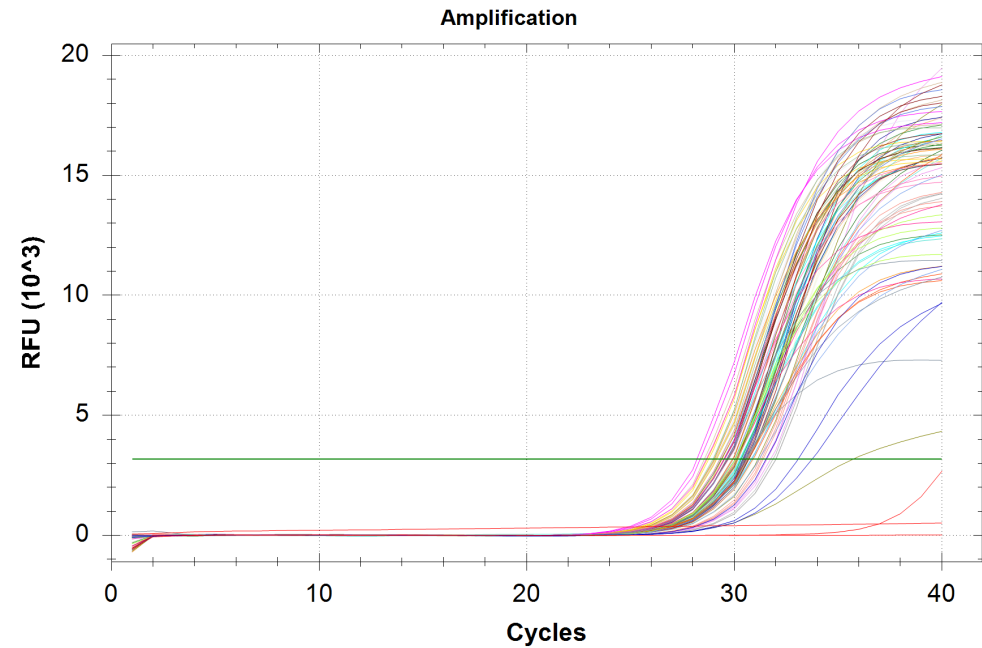
	1	2	3	4	5	6	7	8	9	10	11	12
A	Unk-1 Cg_cGAS (SR IDs D2PC	Unk-1 Cg_cGAS (SR IDs D2PC	Unk-1 Cg_cGAS (SR IDs D2PC	Unk-2 Cg_cGAS (SR IDs D3PC	Unk-2 Cg_cGAS (SR IDs D3PC	Unk-2 Cg_cGAS (SR IDs D3PC	Unk-3 Cg_cGAS (SR IDs D4PC	Unk-3 Cg_cGAS (SR IDs D4PC	Unk-3 Cg_cGAS (SR IDs D4PC	Unk-4 Cg_cGAS (SR IDs D5PC	Unk-4 Cg_cGAS (SR IDs D5PC	Unk-4 Cg_cGAS (SR IDs D5PC
B	Unk-5 Cg_cGAS (SR IDs D1PM	Unk-5 Cg_cGAS (SR IDs D1PM	Unk-5 Cg_cGAS (SR IDs D1PM	Unk-6 Cg_cGAS (SR IDs D2PM	Unk-6 Cg_cGAS (SR IDs D2PM	Unk-6 Cg_cGAS (SR IDs D2PM	Unk-7 Cg_cGAS (SR IDs D3PM	Unk-7 Cg_cGAS (SR IDs D3PM	Unk-7 Cg_cGAS (SR IDs D3PM	Unk-8 Cg_cGAS (SR IDs D4PM	Unk-8 Cg_cGAS (SR IDs D4PM	Unk-8 Cg_cGAS (SR IDs D4PM
C	Unk-9 Cg_cGAS (SR IDs D4PM	Unk-9 Cg_cGAS (SR IDs D4PM	Unk-9 Cg_cGAS (SR IDs D4PM	Unk-10 Cg_cGAS (SR IDs A1PT	Unk-10 Cg_cGAS (SR IDs A1PT	Unk-10 Cg_cGAS (SR IDs A1PT	Unk-11 Cg_cGAS (SR IDs A2PT	Unk-11 Cg_cGAS (SR IDs A2PT	Unk-11 Cg_cGAS (SR IDs A2PT	Unk-12 Cg_cGAS (SR IDs A3PT	Unk-12 Cg_cGAS (SR IDs A3PT	Unk-12 Cg_cGAS (SR IDs A3PT
D	Unk-13 Cg_cGAS (SR IDs A4PT	Unk-13 Cg_cGAS (SR IDs A4PT	Unk-13 Cg_cGAS (SR IDs A4PT	Unk-14 Cg_cGAS (SR IDs A5PT	Unk-14 Cg_cGAS (SR IDs A5PT	Unk-14 Cg_cGAS (SR IDs A5PT	Unk-15 Cg_cGAS (SR IDs B1PT	Unk-15 Cg_cGAS (SR IDs B1PT	Unk-15 Cg_cGAS (SR IDs B1PT	Unk-16 Cg_cGAS (SR IDs B2PT	Unk-16 Cg_cGAS (SR IDs B2PT	Unk-16 Cg_cGAS (SR IDs B2PT

Plate Display

	1	2	3	4	5	6	7	8	9	10	11	12
E	Unk-17 Cg_cGAS (SR IDs B3PT	Unk-17 Cg_cGAS (SR IDs B3PT	Unk-17 Cg_cGAS (SR IDs B3PT	Unk-18 Cg_cGAS (SR IDs B4PT	Unk-18 Cg_cGAS (SR IDs B4PT	Unk-18 Cg_cGAS (SR IDs B4PT	Unk-19 Cg_cGAS (SR IDs B5PT	Unk-19 Cg_cGAS (SR IDs B5PT	Unk-19 Cg_cGAS (SR IDs B5PT	Unk-20 Cg_cGAS (SR IDs C1PT	Unk-20 Cg_cGAS (SR IDs C1PT	Unk-20 Cg_cGAS (SR IDs C1PT
F	Unk-21 Cg_cGAS (SR IDs C2PT	Unk-21 Cg_cGAS (SR IDs C2PT	Unk-21 Cg_cGAS (SR IDs C2PT	Unk-22 Cg_cGAS (SR IDs C3PT	Unk-22 Cg_cGAS (SR IDs C3PT	Unk-22 Cg_cGAS (SR IDs C3PT	Unk-23 Cg_cGAS (SR IDs C4PT	Unk-23 Cg_cGAS (SR IDs C4PT	Unk-23 Cg_cGAS (SR IDs C4PT	Unk-24 Cg_cGAS (SR IDs C5PT	Unk-24 Cg_cGAS (SR IDs C5PT	Unk-24 Cg_cGAS (SR IDs C5PT
G				Unk-26 Cg_cGAS (SR IDs D2PT	Unk-26 Cg_cGAS (SR IDs D2PT	Unk-26 Cg_cGAS (SR IDs D2PT	Unk-27 Cg_cGAS (SR IDs D3PT	Unk-27 Cg_cGAS (SR IDs D3PT	Unk-27 Cg_cGAS (SR IDs D3PT	Unk-28 Cg_cGAS (SR IDs D4PT	Unk-28 Cg_cGAS (SR IDs D4PT	Unk-28 Cg_cGAS (SR IDs D4PT
H	Unk-29 Cg_cGAS (SR IDs D5PT	Unk-29 Cg_cGAS (SR IDs D5PT	Unk-29 Cg_cGAS (SR IDs D5PT	Unk-30 Cg_cGAS (SR IDs D1PT	Unk-30 Cg_cGAS (SR IDs D1PT	Unk-30 Cg_cGAS (SR IDs D1PT	NTC-1 Cg_cGAS (SR IDs	NTC-1 Cg_cGAS (SR IDs	NTC-1 Cg_cGAS (SR IDs			

Quantification

Step #: 3  
Analysis Mode: Fluorophore  
Cq Determination: Single Threshold  
Baseline Method:  
SYBR: Auto Calculated  
Threshold Setting:  
SYBR: 3179.34, Auto Calculated



Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A01	SYBR	Cg_cGAS (SR IDs	Unkn-01	D2PC	30.44	30.40	0.194
A02	SYBR	Cg_cGAS (SR IDs	Unkn-01	D2PC	30.58	30.40	0.194
A03	SYBR	Cg_cGAS (SR IDs	Unkn-01	D2PC	30.19	30.40	0.194

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
A04	SYBR	Cg_cGAS (SR IDs)	Unkn-02	D3PC	31.58	31.62	0.118
A05	SYBR	Cg_cGAS (SR IDs)	Unkn-02	D3PC	31.75	31.62	0.118
A06	SYBR	Cg_cGAS (SR IDs)	Unkn-02	D3PC	31.53	31.62	0.118
A07	SYBR	Cg_cGAS (SR IDs)	Unkn-03	D4PC	29.52	29.87	0.722
A08	SYBR	Cg_cGAS (SR IDs)	Unkn-03	D4PC	29.39	29.87	0.722
A09	SYBR	Cg_cGAS (SR IDs)	Unkn-03	D4PC	30.70	29.87	0.722
A10	SYBR	Cg_cGAS (SR IDs)	Unkn-04	D5PC	30.30	30.40	0.157
A11	SYBR	Cg_cGAS (SR IDs)	Unkn-04	D5PC	30.33	30.40	0.157
A12	SYBR	Cg_cGAS (SR IDs)	Unkn-04	D5PC	30.58	30.40	0.157
B01	SYBR	Cg_cGAS (SR IDs)	Unkn-05	D1PM	29.71	29.32	0.340
B02	SYBR	Cg_cGAS (SR IDs)	Unkn-05	D1PM	29.12	29.32	0.340
B03	SYBR	Cg_cGAS (SR IDs)	Unkn-05	D1PM	29.12	29.32	0.340
B04	SYBR	Cg_cGAS (SR IDs)	Unkn-06	D2PM	30.56	30.48	0.076
B05	SYBR	Cg_cGAS (SR IDs)	Unkn-06	D2PM	30.46	30.48	0.076
B06	SYBR	Cg_cGAS (SR IDs)	Unkn-06	D2PM	30.41	30.48	0.076
B07	SYBR	Cg_cGAS (SR IDs)	Unkn-07	D3PM	29.14	28.93	0.319
B08	SYBR	Cg_cGAS (SR IDs)	Unkn-07	D3PM	28.56	28.93	0.319
B09	SYBR	Cg_cGAS (SR IDs)	Unkn-07	D3PM	29.09	28.93	0.319
B10	SYBR	Cg_cGAS (SR IDs)	Unkn-08	D4PM	29.73	30.05	0.288
B11	SYBR	Cg_cGAS (SR IDs)	Unkn-08	D4PM	30.27	30.05	0.288
B12	SYBR	Cg_cGAS (SR IDs)	Unkn-08	D4PM	30.16	30.05	0.288
C01	SYBR	Cg_cGAS (SR IDs)	Unkn-09	D4PM	30.84	30.52	0.285
C02	SYBR	Cg_cGAS (SR IDs)	Unkn-09	D4PM	30.34	30.52	0.285
C03	SYBR	Cg_cGAS (SR IDs)	Unkn-09	D4PM	30.36	30.52	0.285
C04	SYBR	Cg_cGAS (SR IDs)	Unkn-10	A1PT	28.70	28.87	0.245
C05	SYBR	Cg_cGAS (SR IDs)	Unkn-10	A1PT	28.77	28.87	0.245
C06	SYBR	Cg_cGAS (SR IDs)	Unkn-10	A1PT	29.15	28.87	0.245
C07	SYBR	Cg_cGAS (SR IDs)	Unkn-11	A2PT	30.15	30.13	0.014

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
C08	SYBR	Cg_cGAS (SR IDs)	Unkn-11	A2PT	30.13	30.13	0.014
C09	SYBR	Cg_cGAS (SR IDs)	Unkn-11	A2PT	30.12	30.13	0.014
C10	SYBR	Cg_cGAS (SR IDs)	Unkn-12	A3PT	28.36	28.41	0.231
C11	SYBR	Cg_cGAS (SR IDs)	Unkn-12	A3PT	28.20	28.41	0.231
C12	SYBR	Cg_cGAS (SR IDs)	Unkn-12	A3PT	28.66	28.41	0.231
D01	SYBR	Cg_cGAS (SR IDs)	Unkn-13	A4PT	30.14	30.00	0.119
D02	SYBR	Cg_cGAS (SR IDs)	Unkn-13	A4PT	29.91	30.00	0.119
D03	SYBR	Cg_cGAS (SR IDs)	Unkn-13	A4PT	29.95	30.00	0.119
D04	SYBR	Cg_cGAS (SR IDs)	Unkn-14	A5PT	29.02	29.10	0.177
D05	SYBR	Cg_cGAS (SR IDs)	Unkn-14	A5PT	28.97	29.10	0.177
D06	SYBR	Cg_cGAS (SR IDs)	Unkn-14	A5PT	29.30	29.10	0.177
D07	SYBR	Cg_cGAS (SR IDs)	Unkn-15	B1PT	29.53	29.62	0.082
D08	SYBR	Cg_cGAS (SR IDs)	Unkn-15	B1PT	29.70	29.62	0.082
D09	SYBR	Cg_cGAS (SR IDs)	Unkn-15	B1PT	29.63	29.62	0.082
D10	SYBR	Cg_cGAS (SR IDs)	Unkn-16	B2PT	30.34	32.41	2.919
D11	SYBR	Cg_cGAS (SR IDs)	Unkn-16	B2PT	35.74	32.41	2.919
D12	SYBR	Cg_cGAS (SR IDs)	Unkn-16	B2PT	31.14	32.41	2.919
E01	SYBR	Cg_cGAS (SR IDs)	Unkn-17	B3PT	31.22	31.31	0.084
E02	SYBR	Cg_cGAS (SR IDs)	Unkn-17	B3PT	31.31	31.31	0.084
E03	SYBR	Cg_cGAS (SR IDs)	Unkn-17	B3PT	31.39	31.31	0.084
E04	SYBR	Cg_cGAS (SR IDs)	Unkn-18	B4PT	30.91	30.87	0.117
E05	SYBR	Cg_cGAS (SR IDs)	Unkn-18	B4PT	30.73	30.87	0.117
E06	SYBR	Cg_cGAS (SR IDs)	Unkn-18	B4PT	30.95	30.87	0.117
E07	SYBR	Cg_cGAS (SR IDs)	Unkn-19	B5PT	30.03	29.73	0.276
E08	SYBR	Cg_cGAS (SR IDs)	Unkn-19	B5PT	29.50	29.73	0.276
E09	SYBR	Cg_cGAS (SR IDs)	Unkn-19	B5PT	29.64	29.73	0.276
E10	SYBR	Cg_cGAS (SR IDs)	Unkn-20	C1PT	30.15	30.46	0.279
E11	SYBR	Cg_cGAS (SR IDs)	Unkn-20	C1PT	30.70	30.46	0.279

## Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
E12	SYBR	Cg_cGAS (SR IDs)	Unkn-20	C1PT	30.51	30.46	0.279
F01	SYBR	Cg_cGAS (SR IDs)	Unkn-21	C2PT	29.41	29.70	0.838
F02	SYBR	Cg_cGAS (SR IDs)	Unkn-21	C2PT	29.05	29.70	0.838
F03	SYBR	Cg_cGAS (SR IDs)	Unkn-21	C2PT	30.65	29.70	0.838
F04	SYBR	Cg_cGAS (SR IDs)	Unkn-22	C3PT	31.87	31.96	0.083
F05	SYBR	Cg_cGAS (SR IDs)	Unkn-22	C3PT	32.01	31.96	0.083
F06	SYBR	Cg_cGAS (SR IDs)	Unkn-22	C3PT	32.01	31.96	0.083
F07	SYBR	Cg_cGAS (SR IDs)	Unkn-23	C4PT	29.73	29.53	0.203
F08	SYBR	Cg_cGAS (SR IDs)	Unkn-23	C4PT	29.33	29.53	0.203
F09	SYBR	Cg_cGAS (SR IDs)	Unkn-23	C4PT	29.54	29.53	0.203
F10	SYBR	Cg_cGAS (SR IDs)	Unkn-24	C5PT	30.90	30.73	0.152
F11	SYBR	Cg_cGAS (SR IDs)	Unkn-24	C5PT	30.68	30.73	0.152
F12	SYBR	Cg_cGAS (SR IDs)	Unkn-24	C5PT	30.61	30.73	0.152
G04	SYBR	Cg_cGAS (SR IDs)	Unkn-26	D2PT	29.51	29.92	0.358
G05	SYBR	Cg_cGAS (SR IDs)	Unkn-26	D2PT	30.15	29.92	0.358
G06	SYBR	Cg_cGAS (SR IDs)	Unkn-26	D2PT	30.11	29.92	0.358
G07	SYBR	Cg_cGAS (SR IDs)	Unkn-27	D3PT	30.82	30.89	0.288
G08	SYBR	Cg_cGAS (SR IDs)	Unkn-27	D3PT	31.21	30.89	0.288
G09	SYBR	Cg_cGAS (SR IDs)	Unkn-27	D3PT	30.64	30.89	0.288
G10	SYBR	Cg_cGAS (SR IDs)	Unkn-28	D4PT	30.04	30.09	0.054
G11	SYBR	Cg_cGAS (SR IDs)	Unkn-28	D4PT	30.15	30.09	0.054
G12	SYBR	Cg_cGAS (SR IDs)	Unkn-28	D4PT	30.07	30.09	0.054
H01	SYBR	Cg_cGAS (SR IDs)	Unkn-29	D5PT	30.55	30.23	0.495
H02	SYBR	Cg_cGAS (SR IDs)	Unkn-29	D5PT	30.48	30.23	0.495
H03	SYBR	Cg_cGAS (SR IDs)	Unkn-29	D5PT	29.66	30.23	0.495
H04	SYBR	Cg_cGAS (SR IDs)	Unkn-30	D1PT	31.54	32.79	1.135
H05	SYBR	Cg_cGAS (SR IDs)	Unkn-30	D1PT	33.08	32.79	1.135
H06	SYBR	Cg_cGAS (SR IDs)	Unkn-30	D1PT	33.75	32.79	1.135

Quantification Data

Well	Fluor	Target	Content	Sample	Cq	Cq Mean	Cq Std. Dev
H07	SYBR	Cg_cGAS (SR IDs	NTC-01		N/A	0.00	0.000
H08	SYBR	Cg_cGAS (SR IDs	NTC-01		N/A	0.00	0.000
H09	SYBR	Cg_cGAS (SR IDs	NTC-01		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	
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	SYBR:A7, A8, A9, D10, D11, D12, F1, F2, F3, H4, H5, H6.	False	