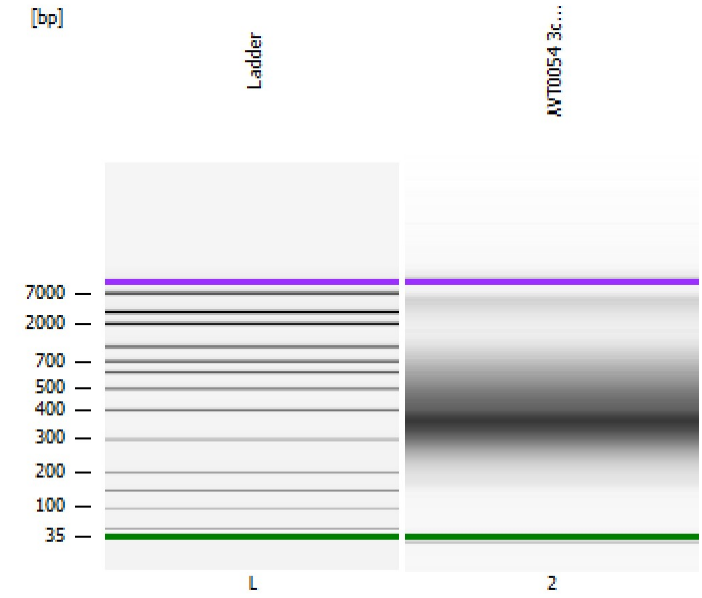
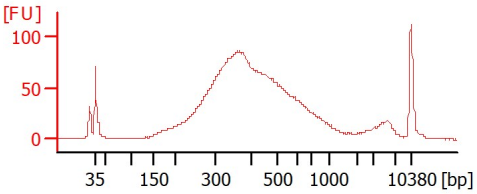
Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2023-09-07\AVT0054_PCR_BC.xad

Created: 9/7/2023 12:45:37 PM
Modified: 9/7/2023 1:43:47 PM

Electrophoresis File Run Summary



AVT0054 3cyc PCR 0.8XBC



Instrument Information:

Instrument Name:	DE34903152	Firmware:	C.01.069
Serial#:	DE34903152	Type:	G2938C

Assay Information:

Assay Origin Path:	C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class:	High Sensitivity DNA Assay
Version:	1.03
Assay Comments:	Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:	
Reagent Kit Lot #:	
Chip Comments:	

Assay Class: High Sensitivity DNA Assay
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
AVT0054 3cyc PCR 0.8XBC		☐	✔			
Ladder		☐	✔			

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2023-09-07\AVT0054_PCR_BC.xad

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/µl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/µl] : 125
Upper Marker Concentration [pg/µl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

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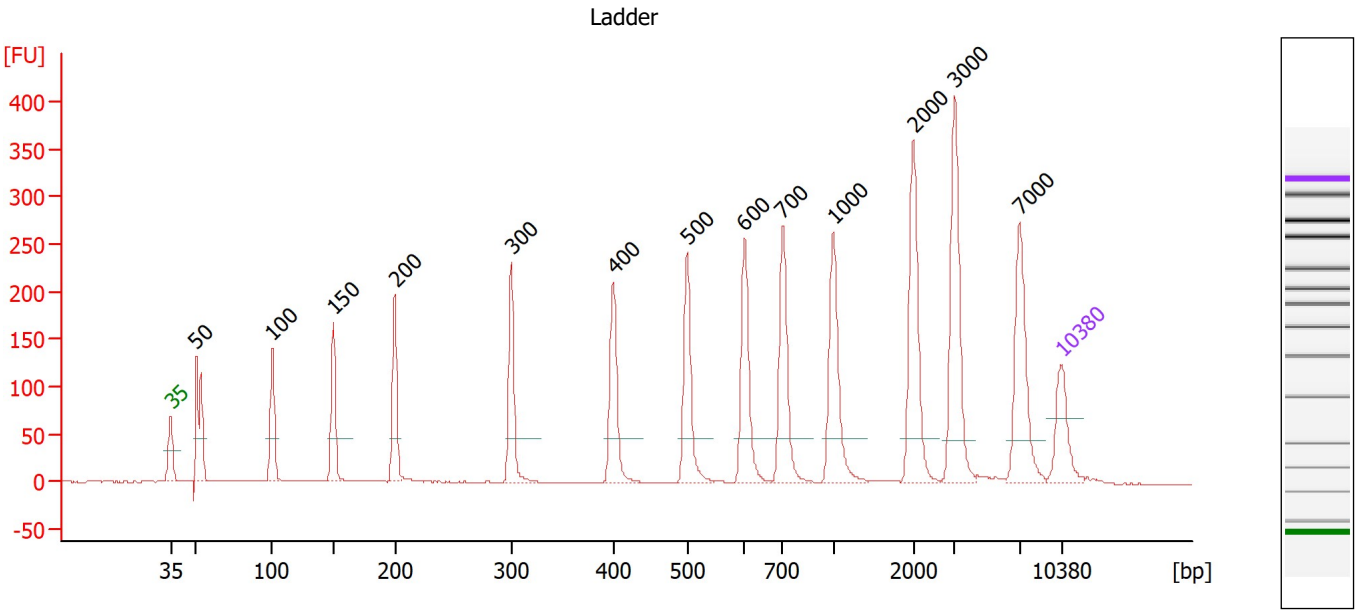
Electropherogram Summary



Overall Results for Ladder

Noise: 0.2

Peak table for Ladder

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		35	125.00	5,411.3	Lower Marker
2		50	150.00	4,545.5	Ladder Peak
3		100	150.00	2,272.7	Ladder Peak
4		150	150.00	1,515.2	Ladder Peak
5		200	150.00	1,136.4	Ladder Peak
6		300	150.00	757.6	Ladder Peak
7		400	150.00	568.2	Ladder Peak
8		500	150.00	454.5	Ladder Peak
9		600	150.00	378.8	Ladder Peak
10		700	150.00	324.7	Ladder Peak
11		1,000	150.00	227.3	Ladder Peak
12		2,000	150.00	113.6	Ladder Peak
13		3,000	150.00	75.8	Ladder Peak
14		7,000	150.00	32.5	Ladder Peak
15		10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2023-09-07\AVT0054_PCR_BC.xad

Created: 9/7/2023 12:45:37 PM
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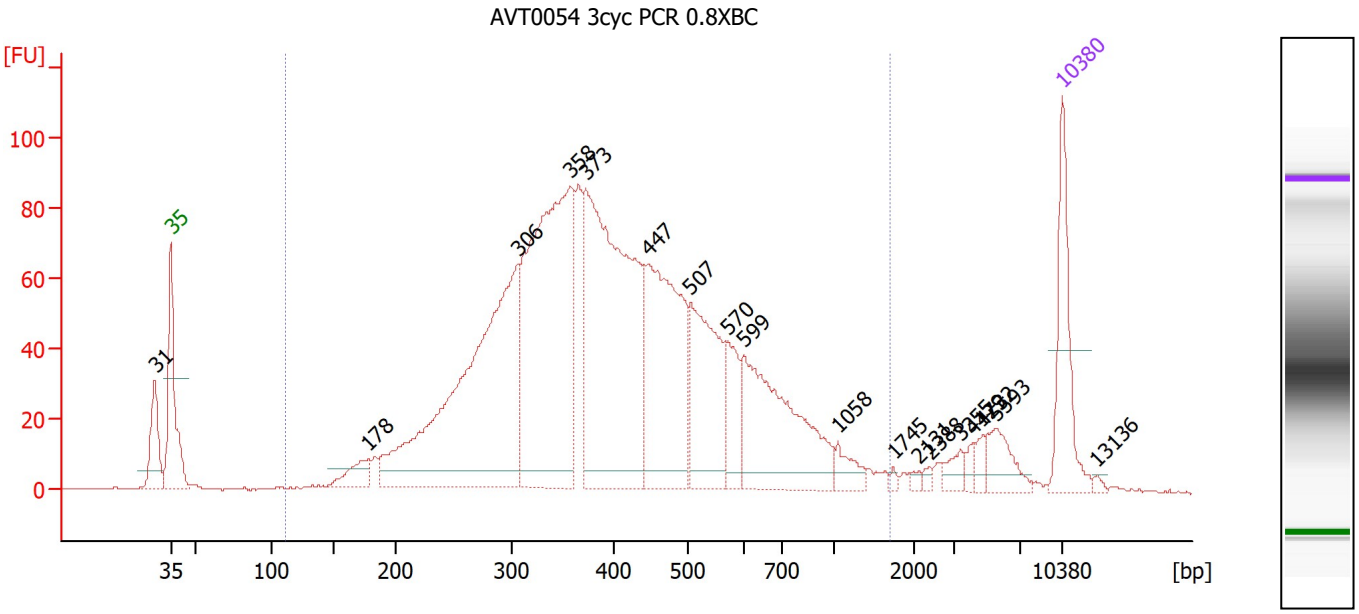
Electropherogram Summary Continued ...



Overall Results for sample 2 : AVT0054 3cyc PCR 0.8XBC

Number of peaks found:	18	Corr. Area 1:	2,240.2
Noise:	0.2		

Peak table for sample 2 : AVT0054 3cyc PCR 0.8XBC

Peak	Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1	31	0.00	0.0	
2	35	125.00	5,411.3	Lower Marker
3	178	33.60	285.6	
4	306	535.27	2,646.9	
5	358	478.91	2,025.5	
6	373	487.86	1,980.3	
7	447	261.00	884.2	
8	507	160.97	481.4	
9	570	53.86	143.2	
10	599	192.47	487.0	
11	1,058	20.16	28.9	
12	1,745	3.18	2.8	
13	2,131	3.80	2.7	
14	2,388	4.02	2.6	
15	3,355	13.35	6.0	
16	4,129	6.61	2.4	
17	4,732	10.96	3.5	
18	5,593	29.48	8.0	
19	10,380	75.00	10.9	Upper Marker
20	13,136	0.00	0.0	

Region table for sample 2 : AVT0054 3cyc PCR 0.8XBC

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/µl]	Molarity [pmol/l]	Color
111	1,699	2,240.2	92	436	45.1	2,468.68	10,503.1	

Assay Class: High Sensitivity DNA Assay
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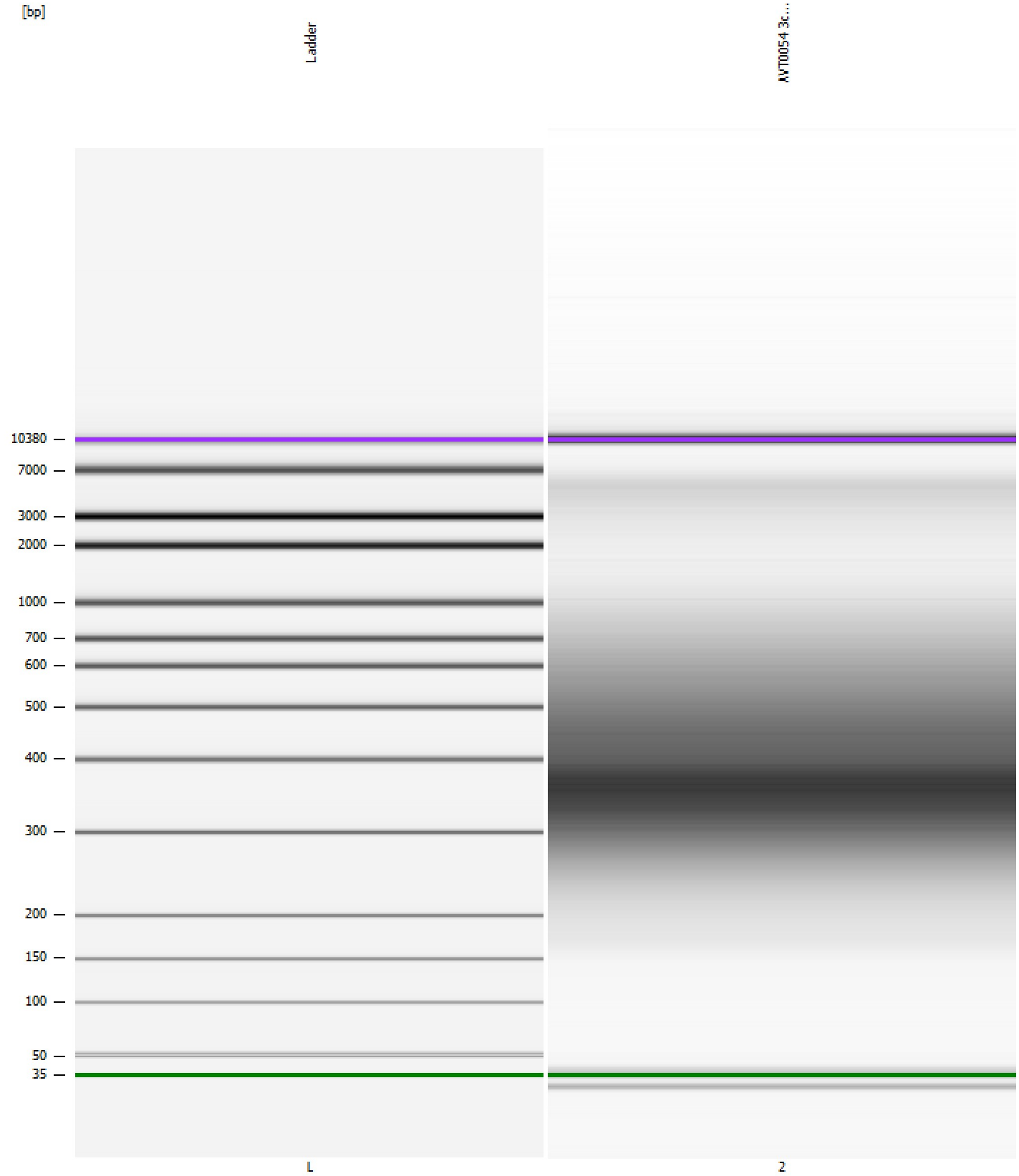
Gel Image



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2023-09-07\AVT0054_PCR_BC.xad

Created: 9/7/2023 12:45:37 PM
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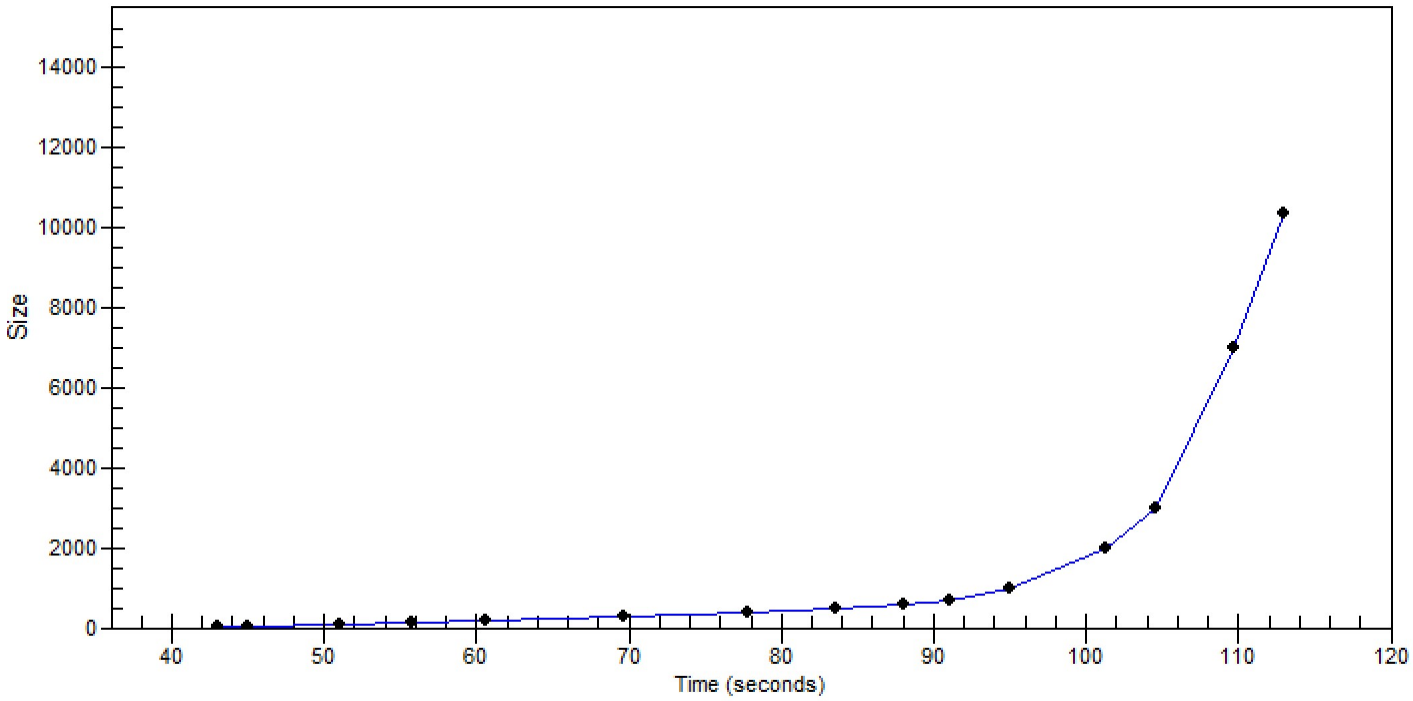
Curves

Standard Curve



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Data Path: C:\... bioanalyzer\2100 expert\data\2023-09-07\AVT0054_PCR_BC.xad

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Modified: 9/7/2023 1:43:47 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/7/2023 1:26:58 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-09-07\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-09-07_001.xad)		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Product Number : G2938C		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Name :		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Vendor : Agilent Technologies		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Serial# : DE34903152		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Firmware : C.01.069		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB
Cartridge : Electrode		Instrument	Run		9/7/2023 12:45:43 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNVVOB