

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...ivity DNA Assay_2023-10-02_002_10XSC0295 cDNA & Library.xad

Created: 10/2/2023 11:27:51 AM
Modified: 10/2/2023 1:32:57 PM

Electrophoresis File Run Summary

Instrument Information:

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

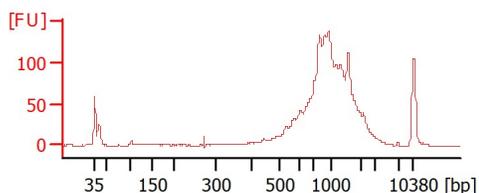
Assay Information:

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

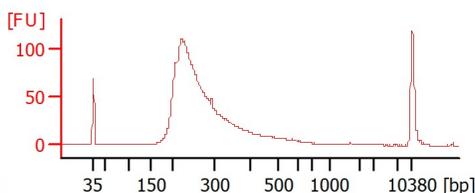
Chip Information:

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

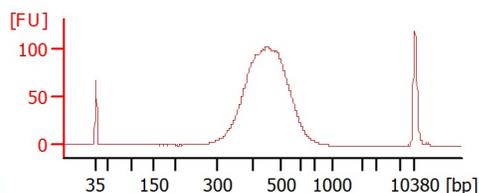
VTA_P1 cDNA



VTA_P1 ATAC Library



VTA_P1 GEX Library



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
VTA_P1 cDNA		<input type="checkbox"/>				
VTA_P1 ATAC Library		<input type="checkbox"/>				
VTA_P1 GEX Library		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>				

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

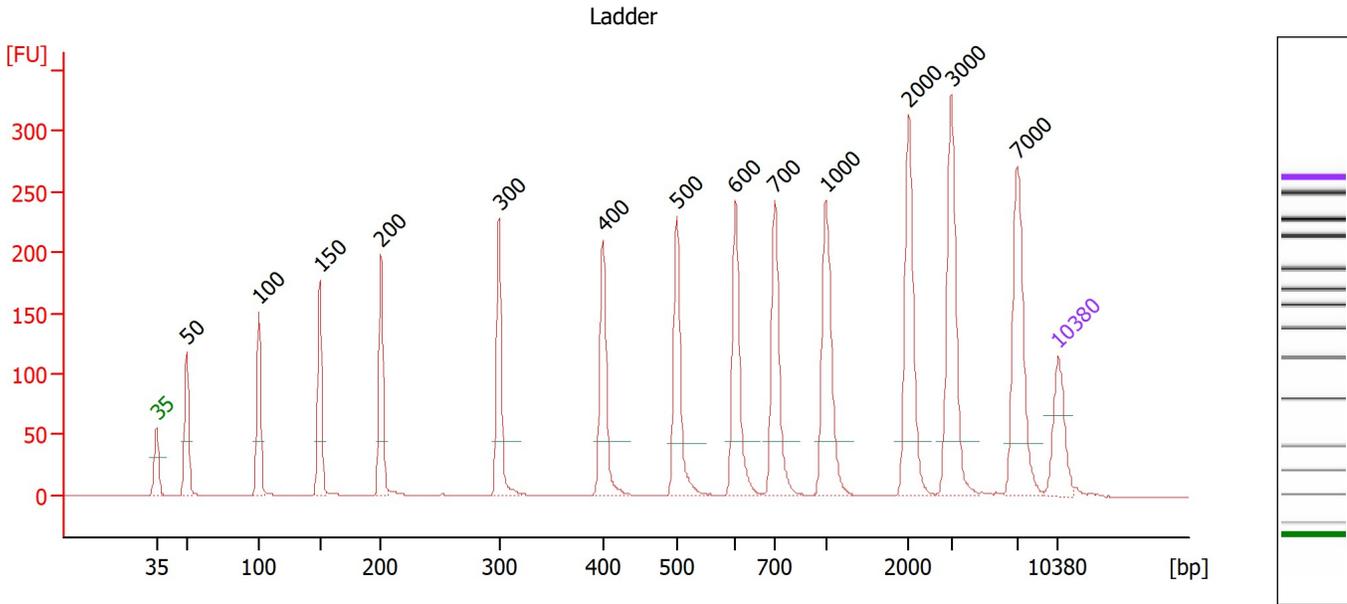
Ladder

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

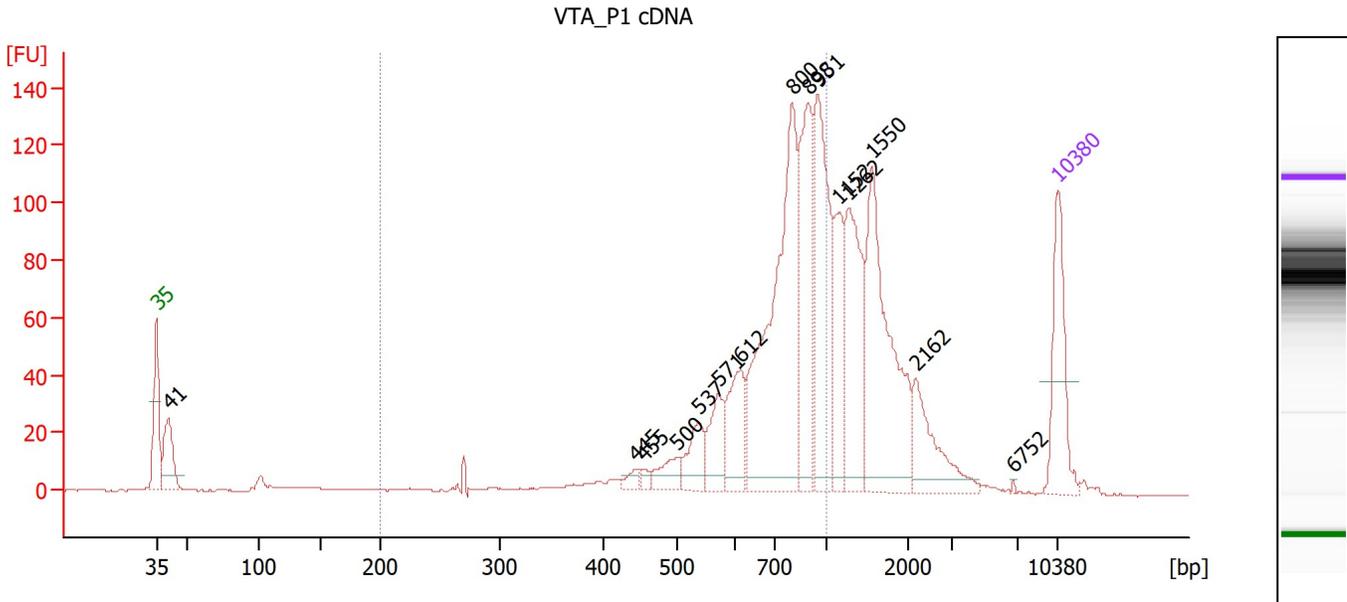
Peak table for Ladder

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

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Electropherogram Summary Continued ...



Overall Results for sample 3 : VTA_P1 cDNA

Number of peaks found: 15 Corr. Area 1: 874.4
 Noise: 0.2

Peak table for sample 3 : VTA_P1 cDNA

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	41	75.38	2,789.7	
3	445	10.36	35.3	
4	455	6.40	21.3	
5	500	26.38	80.0	
6	537	40.64	114.6	
7	571	46.30	122.9	
8	612	68.85	170.4	
9	800	330.61	626.1	
10	898	141.22	238.3	
11	951	176.91	281.8	
12	1,152	76.75	100.9	
13	1,262	129.41	155.3	
14	1,550	203.72	199.2	
15	2,162	64.82	45.4	
16	6,752	1.11	0.2	
17	10,380	75.00	10.9	Upper Marker

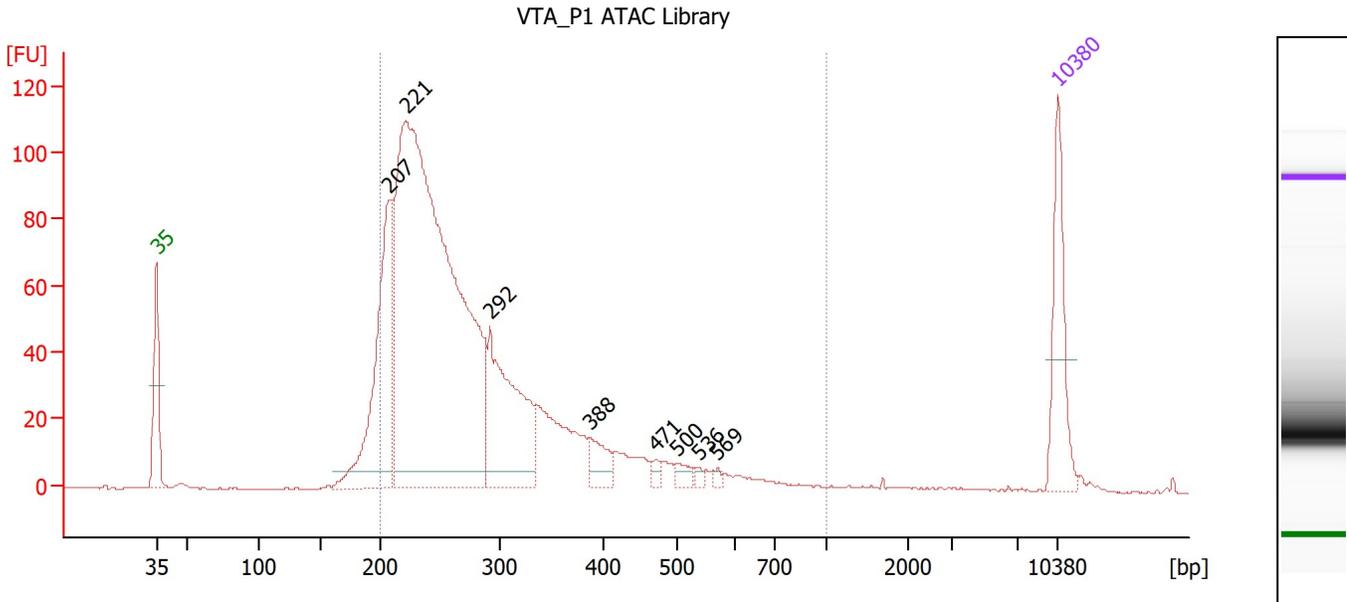
Region table for sample 3 : VTA_P1 cDNA

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	874.4	56	742	22.6	878.15	1,975.0	Blue

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Electropherogram Summary Continued ...



Overall Results for sample 4 : VTA P1 ATAC Library

Number of peaks found: 8 Corr. Area 1: 1,424.6
 Noise: 0.2

Peak table for sample 4 : VTA P1 ATAC Library

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	207	274.29	2,007.4	
3	221	1,153.64	7,912.2	
4	292	216.12	1,120.7	
5	388	33.27	130.1	
6	471	7.97	25.6	
7	500	11.55	35.0	
8	536	5.17	14.6	
9	569	3.91	10.4	
10	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : VTA P1 ATAC Library

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
200	1,000	1,424.6	91	293	35.1	1,769.30	10,106.8	Blue

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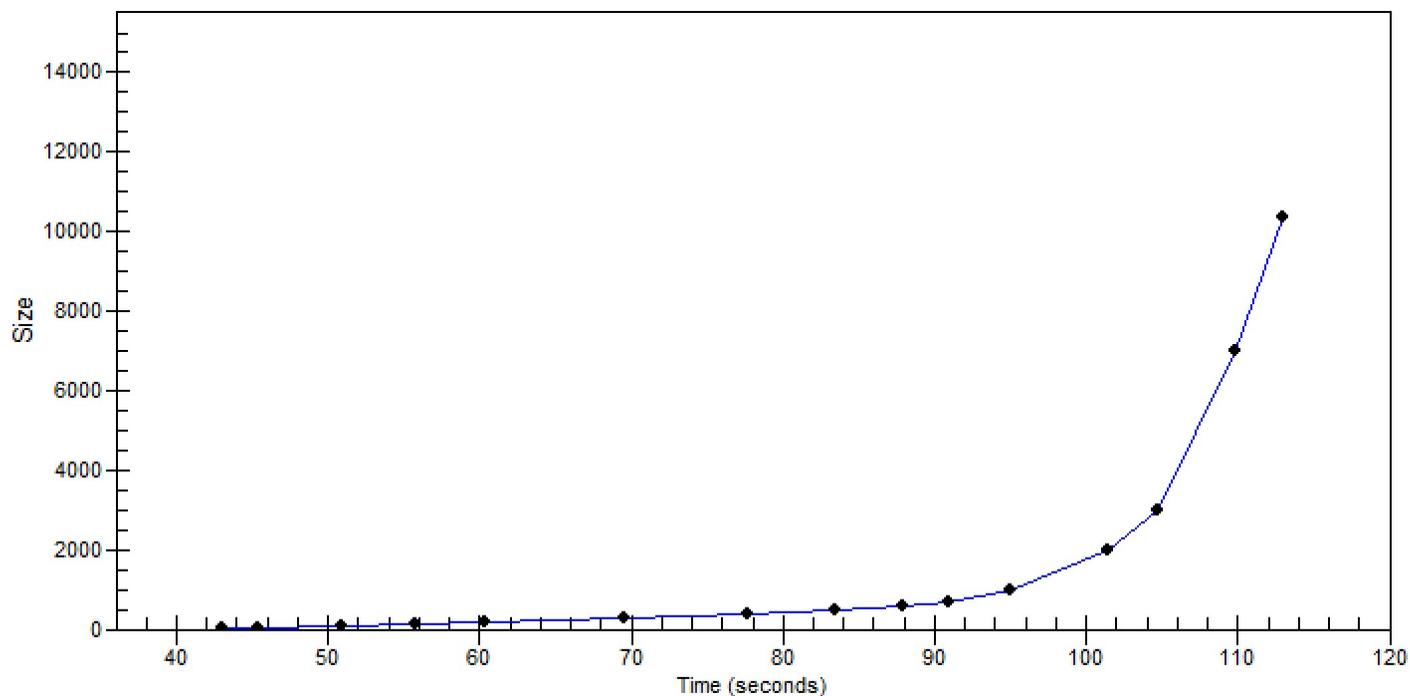
Gel Image

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Curves

Standard Curve



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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		10/2/2023 12:08:20 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2023-10-02\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2023-10-02_002.xad)		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/2/2023 11:27:57 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB