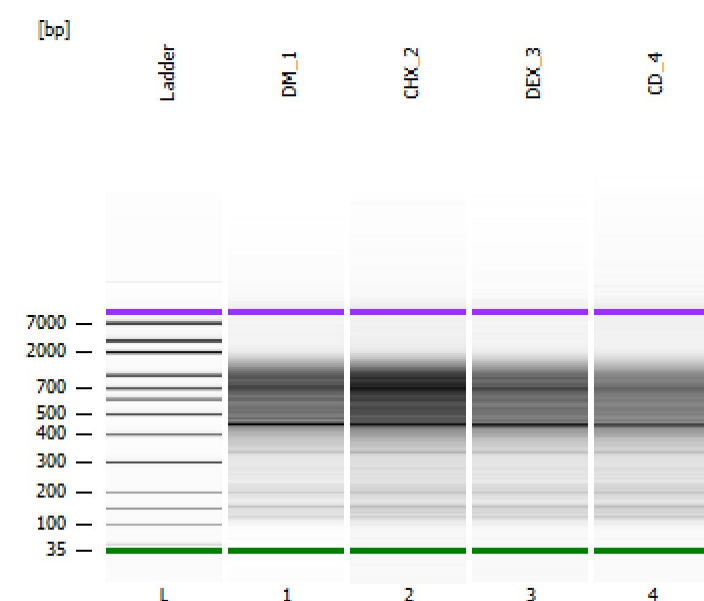


Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electrophoresis File Run Summary



Instrument Information:

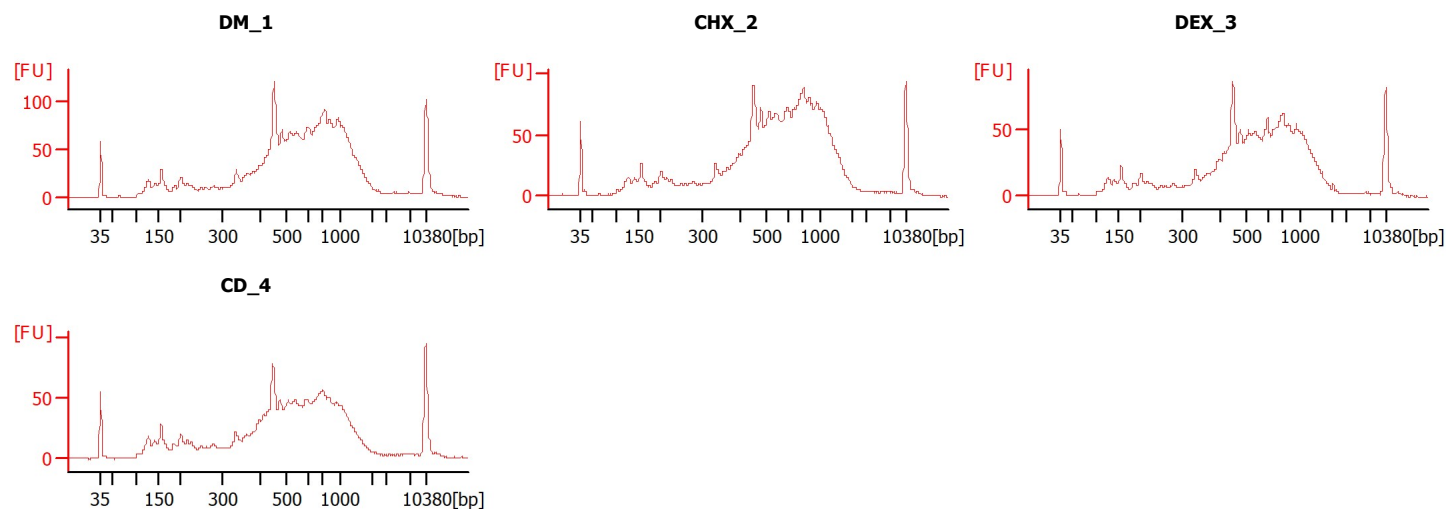
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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:



Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Statu s	Observation	Result Label	Result Color
DM_1		☐	✓			
CHX_2		☐	✓			
DEX_3		☐	✓			
CD_4		☐	✓			
Ladder		☐	✓			

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

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

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

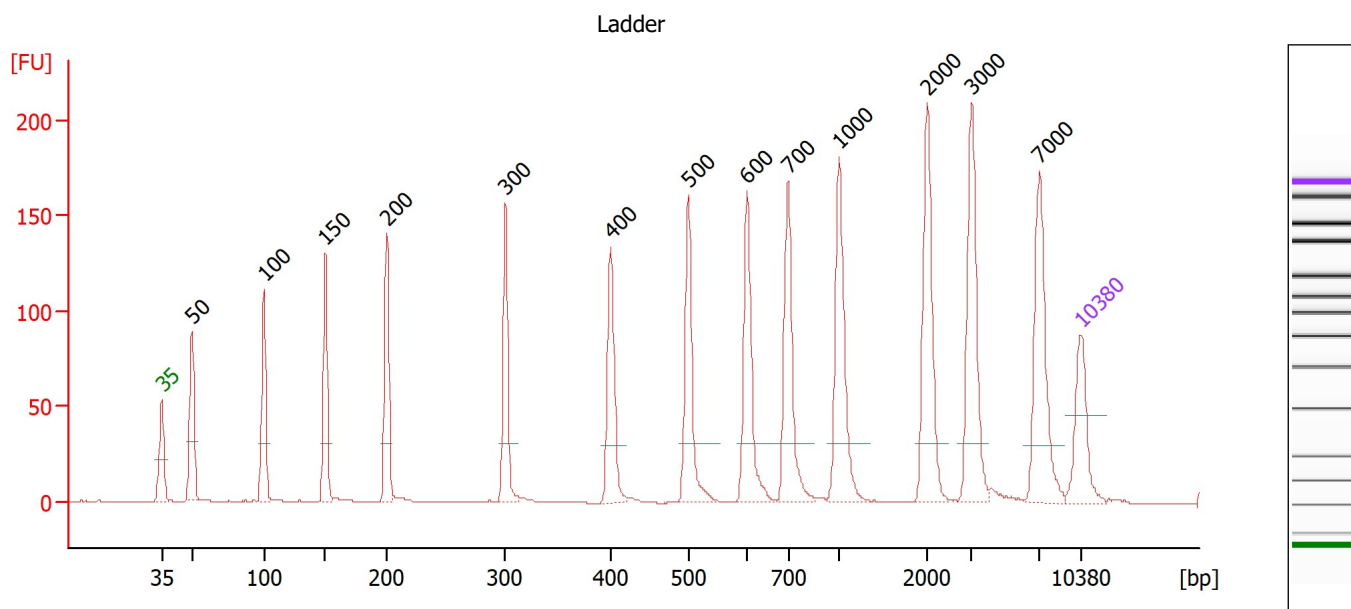
Ladder

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

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
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Electropherogram Summary



Overall Results for Ladder

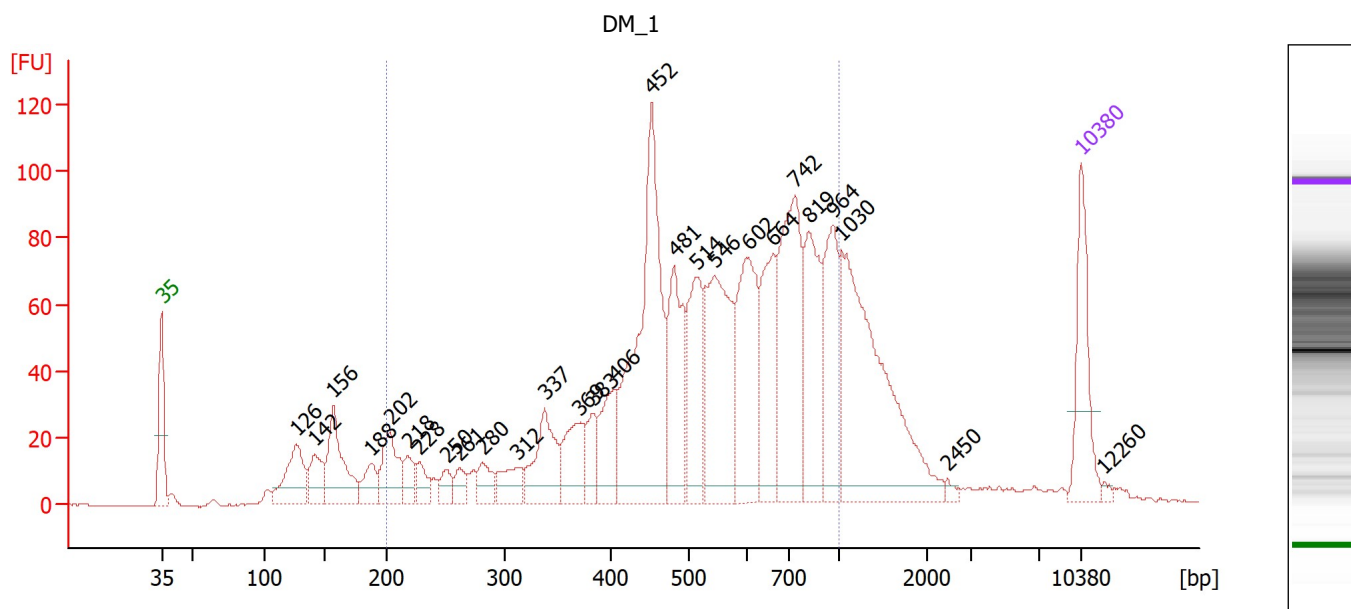
Noise: 0.2

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\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...**Overall Results for sample 1 : DM_1**

Number of peaks found: 27 Corr. Area 1: 1,726.2
Noise: 0.3

Peak table for sample 1 : DM_1

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	87.37	1,048.5	
3	142	48.98	524.2	
4	156	107.25	1,039.7	
5	188	35.60	287.6	
6	202	70.98	531.5	
7	218	27.55	191.7	
8	228	24.96	166.2	
9	250	21.03	127.3	
10	261	21.78	126.3	
11	280	29.61	160.0	
12	312	36.19	175.9	
13	337	85.19	382.9	
14	369	67.93	278.6	
15	383	38.15	150.8	
16	406	67.50	251.8	
17	452	344.95	1,155.5	
18	481	128.70	405.0	
19	514	118.57	349.5	
20	546	192.89	535.2	
21	602	157.82	396.9	
22	664	112.11	255.7	
23	742	206.79	422.3	
24	819	127.53	236.0	
25	964	114.78	180.4	
26	1,030	290.35	427.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...**... Peak table for sample 1 : DM_1**

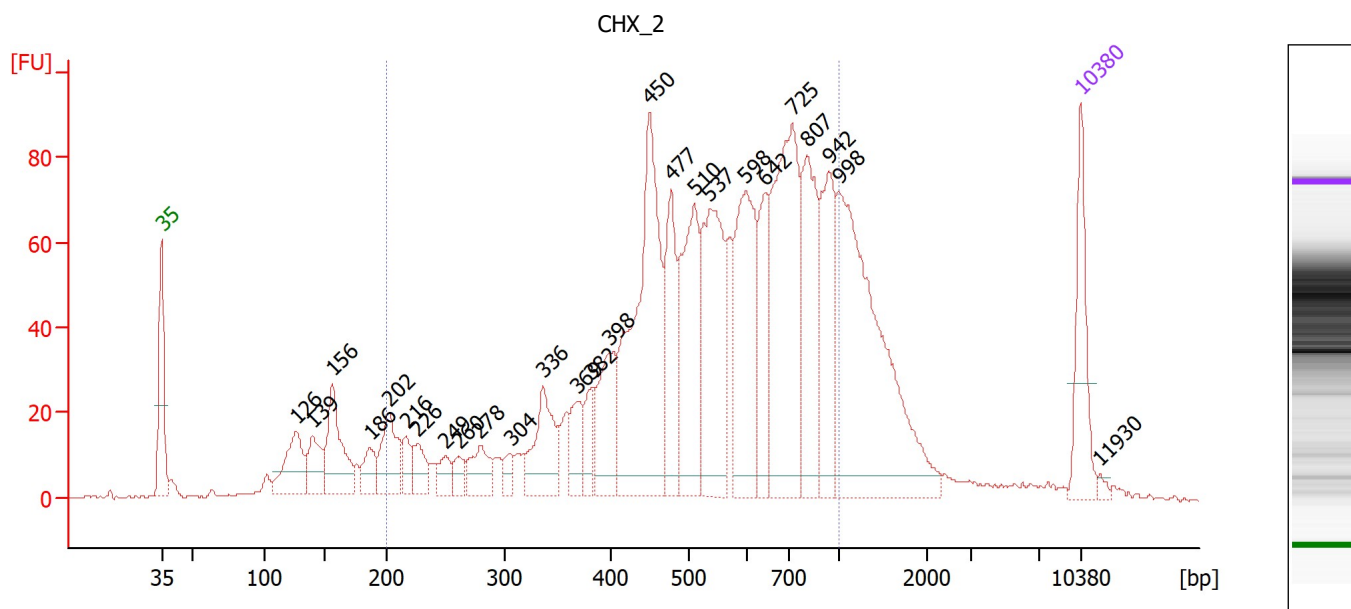
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	2,450	4.80	3.0	
28	10,380	75.00	10.9	Upper Marker
29	12,260	0.00	0.0	

Region table for sample 1 : DM_1

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	1,726.2	75	563	33.2	2,038.32	6,613.3	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : CHX_2**

Number of peaks found: 26 Corr. Area 1: 1,672.8
Noise: 0.3

Peak table for sample 2 : CHX_2

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	90.60	1,088.4	
3	139	58.67	638.3	
4	156	116.64	1,132.6	
5	186	37.19	303.1	
6	202	82.75	622.1	
7	216	29.50	207.0	
8	226	36.52	245.0	
9	249	25.28	153.9	
10	260	22.93	133.6	
11	278	47.99	261.3	
12	304	17.76	88.4	
13	336	98.03	442.5	
14	369	47.33	194.6	
15	382	35.55	141.1	
16	398	100.84	384.0	
17	450	360.74	1,215.7	
18	477	122.71	389.5	
19	510	184.55	547.9	
20	537	216.49	611.2	
21	598	195.86	496.2	
22	642	91.50	215.9	
23	725	297.67	622.1	
24	807	157.43	295.4	
25	942	124.21	199.8	
26	998	379.18	575.5	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...**... Peak table for sample 2 : CHX_2**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker
28	11,930	0.00	0.0	

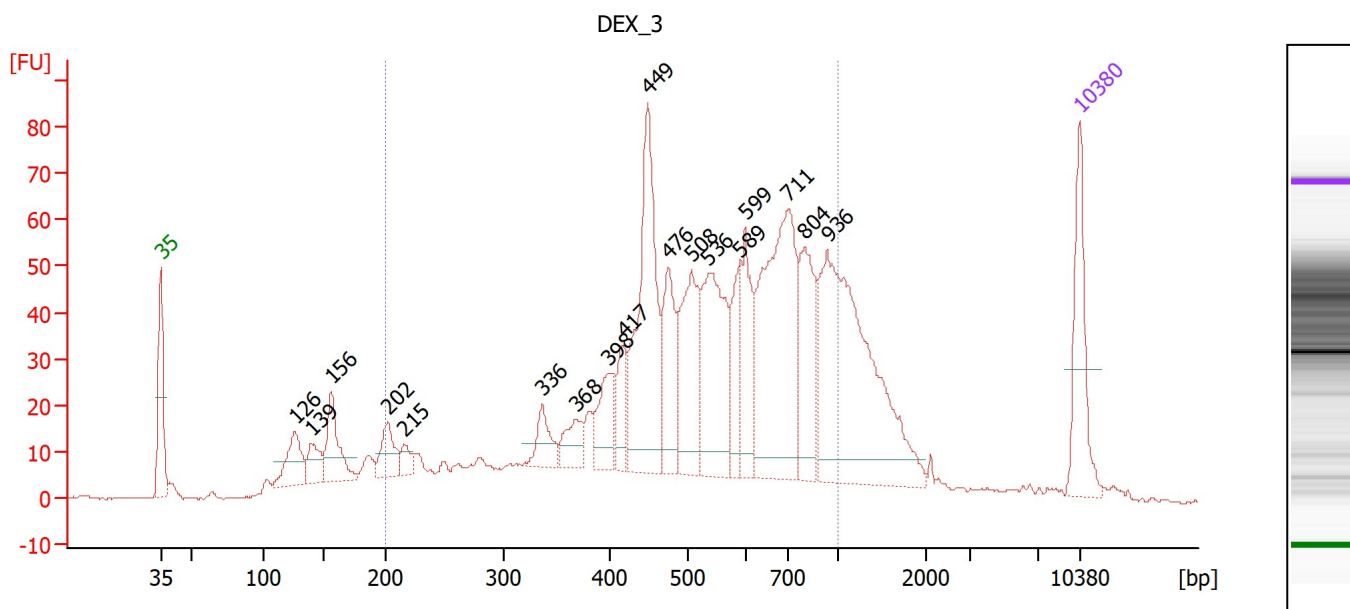
Region table for sample 2 : CHX_2

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	1,672.8	75	563	33.2	2,521.44	8,205.8	

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : DEX_3

Number of peaks found: 18 Corr. Area 1: 1,230.0
 Noise: 0.2

Peak table for sample 3 : DEX_3

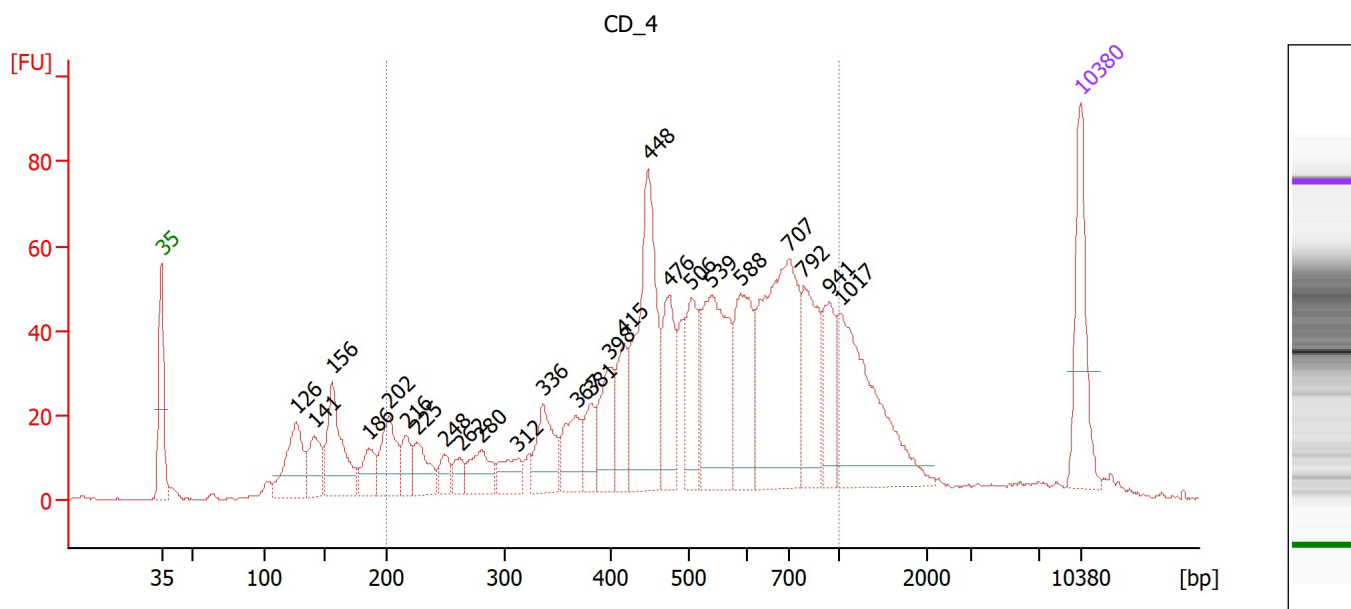
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	61.08	732.5	
3	139	39.13	426.1	
4	156	73.01	711.0	
5	202	43.34	325.1	
6	215	16.57	116.6	
7	336	36.92	166.5	
8	368	35.22	145.0	
9	398	58.65	223.3	
10	417	43.07	156.6	
11	449	235.91	796.4	
12	476	90.82	289.1	
13	508	127.36	379.7	
14	536	163.88	463.0	
15	589	51.77	133.2	
16	599	82.02	207.5	
17	711	277.73	592.0	
18	804	102.40	193.1	
19	936	330.71	535.3	
20	10,380	75.00	10.9	Upper Marker

Region table for sample 3 : DEX_3

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	1,230.0	75	553	33.4	1,988.29	6,578.6	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...**Overall Results for sample 4 : CD_4**

Number of peaks found: 25 Corr. Area 1: 1,266.9
Noise: 0.3

Peak table for sample 4 : CD_4

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	126	93.49	1,123.1	
3	141	55.10	591.8	
4	156	114.72	1,114.3	
5	186	37.68	307.2	
6	202	69.52	521.1	
7	216	30.42	213.0	
8	225	42.45	285.3	
9	248	21.18	129.3	
10	262	19.03	110.2	
11	280	44.50	240.9	
12	312	32.51	158.1	
13	336	63.85	288.2	
14	367	52.11	215.2	
15	381	35.04	139.2	
16	398	63.69	242.4	
17	415	56.09	204.7	
18	448	210.56	712.0	
19	476	81.76	260.3	
20	506	76.92	230.3	
21	539	161.24	453.5	
22	588	106.41	274.0	
23	707	239.86	514.3	
24	792	91.24	174.5	
25	941	58.19	93.7	
26	1,017	168.59	251.1	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Electropherogram Summary Continued ...**... Peak table for sample 4 : CD 4**

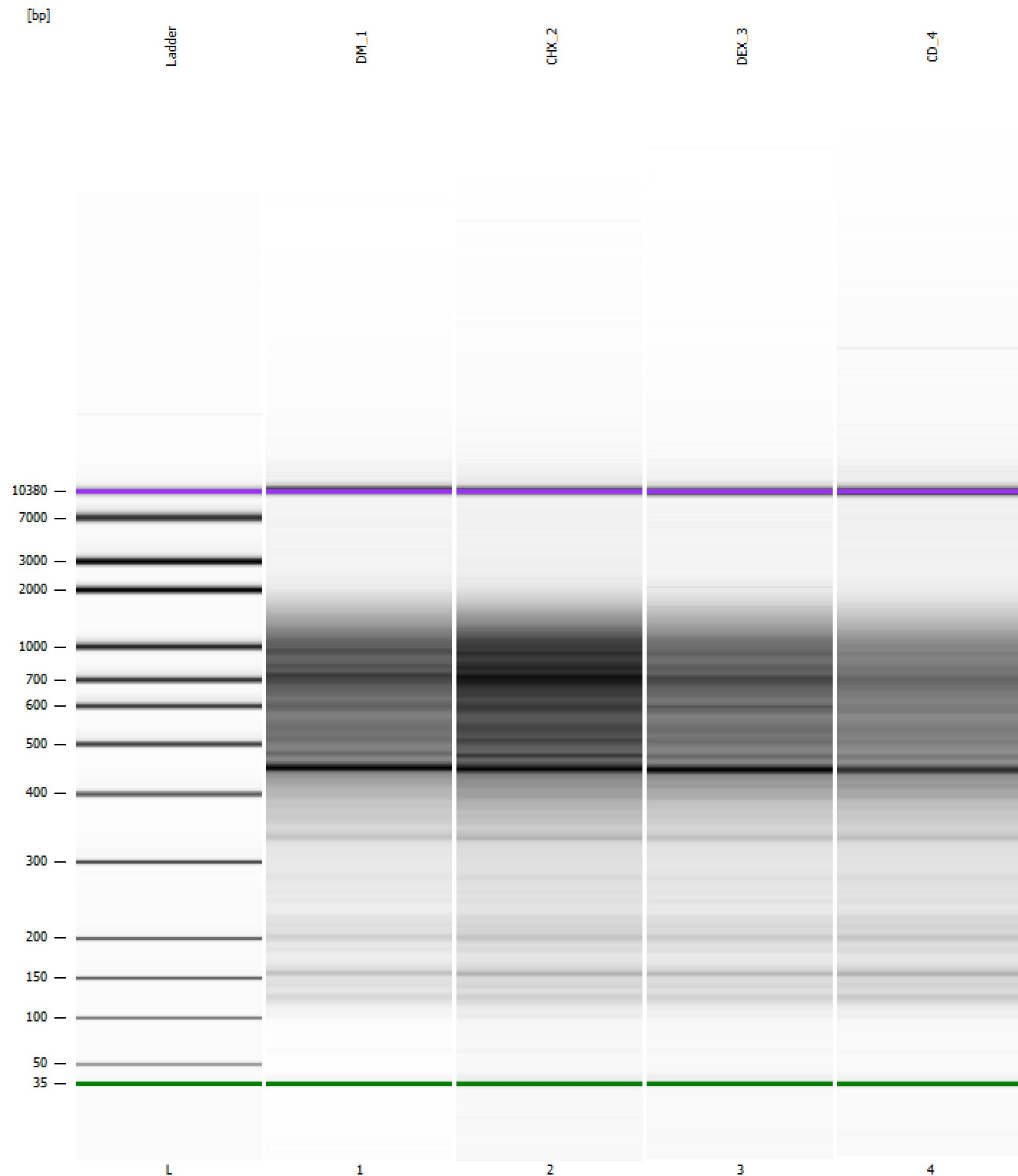
Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
27	10,380	75.00	10.9	Upper Marker

Region table for sample 4 : CD 4

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	1,266.9	73	537	34.7	1,761.88	6,078.0	

Assay Class: High Sensitivity DNA Assay
Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
Modified: 10/22/2025 10:29:21 AM

Gel Image

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\... bioanalyzer\2100 expert\data\2025-10-22\10XSC0442 cDNA.xad

Created: 10/22/2025 9:40:29 AM
 Modified: 10/22/2025 10:29:21 AM

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		10/22/2025 10:21:54 AM	(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\2025-10-22\Bioanalyzer1_High Sensitivity DNA Assay_DE34903152_2025-10-22_001.xad)		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/22/2025 9:40:41 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB