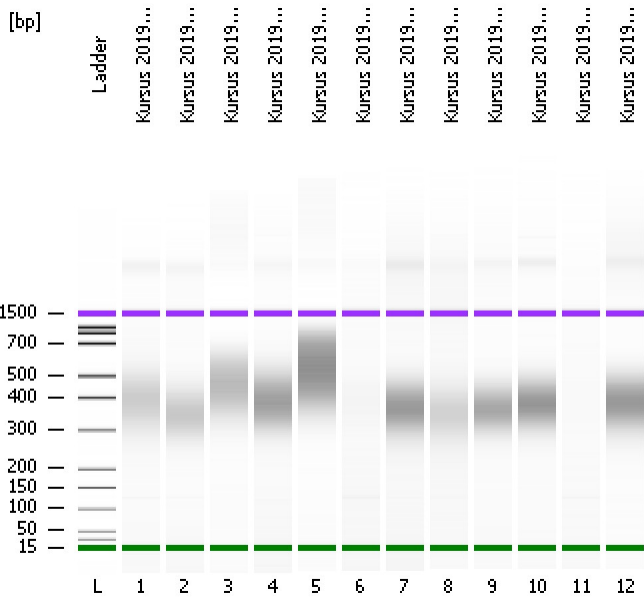


Assay Class: DNA 1000  
Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
Modified: 9/20/2019 12:57:39 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE72901621      Firmware: C.01.069  
Serial#: DE72901621      Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 1000 Series II.xsy

Assay Class: DNA 1000

Version: 2.3

Assay Comments: DNA Analysis 25 -1000 bp

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Chip Information:

Chip Lot #:

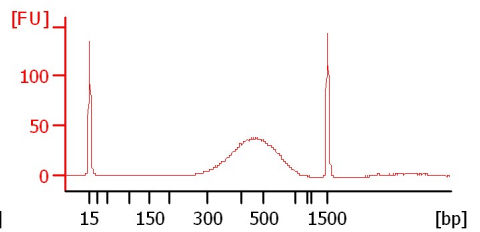
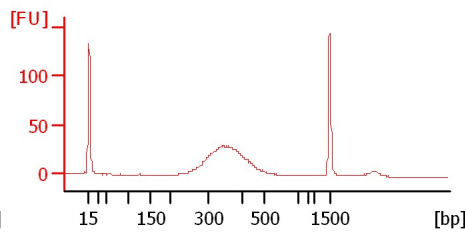
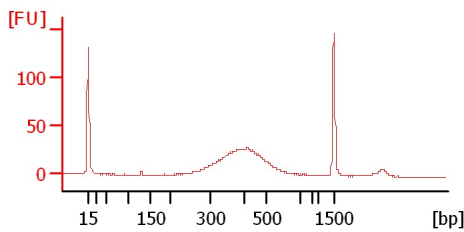
Reagent Kit Lot #:

Chip Comments:

**Kursus 2019 library 1**

**Kursus 2019 library 2**

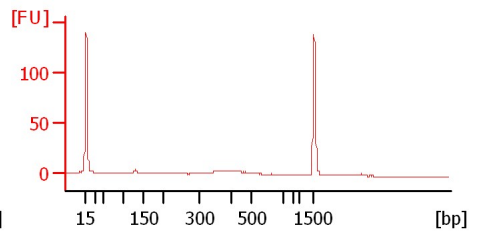
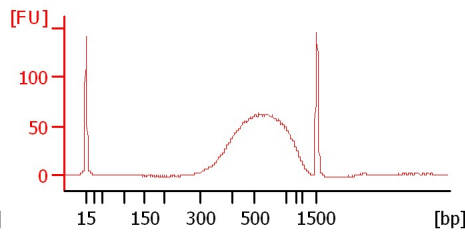
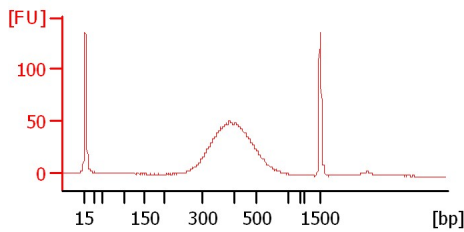
**Kursus 2019 library 3**



**Kursus 2019 library 4**

**Kursus 2019 library 5**

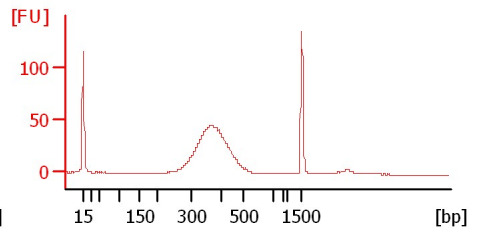
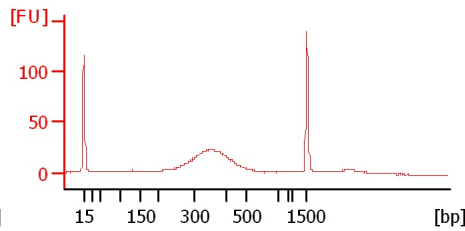
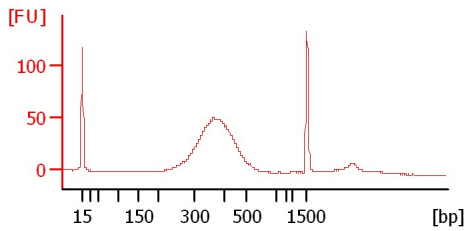
**Kursus 2019 library 6**



**Kursus 2019 library 7**

**Kursus 2019 library 8**

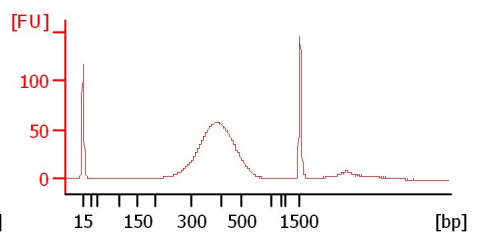
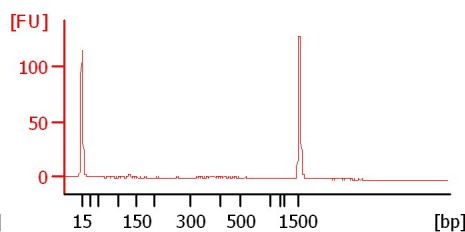
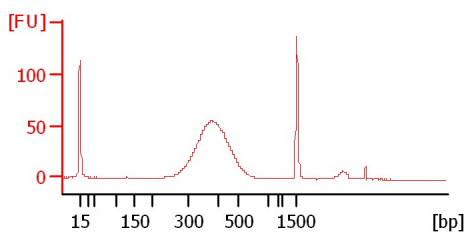
**Kursus 2019 library 9**



**Kursus 2019 library 10**

**Kursus 2019 library 11**

**Kursus 2019 library 12**



Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
Kursus 2019 library 1		<input type="checkbox"/>		✓		
Kursus 2019 library 2		<input type="checkbox"/>		✓		
Kursus 2019 library 3		<input type="checkbox"/>		✓		
Kursus 2019 library 4		<input type="checkbox"/>		✓		
Kursus 2019 library 5		<input type="checkbox"/>		✓		
Kursus 2019 library 6		<input type="checkbox"/>		✓		
Kursus 2019 library 7		<input type="checkbox"/>		✓		
Kursus 2019 library 8		<input type="checkbox"/>		✓		
Kursus 2019 library 9		<input type="checkbox"/>		✓		
Kursus 2019 library 10		<input type="checkbox"/>		✓		
Kursus 2019 library 11		<input type="checkbox"/>		✓		
Kursus 2019 library 12		<input type="checkbox"/>		✓		
Ladder		<input type="checkbox"/>		✓		

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: DNA 1000  
Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
Modified: 9/20/2019 12:57:39 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 30  
Maximum Visible Range [s] : 129  
Start Analysis Time Range [s] : 30  
End Analysis Time Range [s] : 128.95  
Ladder Concentration [ng/ $\mu$ l] : 44  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [ng/ $\mu$ l] : 4.2  
Upper Marker Concentration [ng/ $\mu$ l] : 2.1  
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] : 30  
Integration End Time [s] : 128.95  
Slope Threshold : 0.5  
Height Threshold [FU] : 20  
Area Threshold : 0.1  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 0.5

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

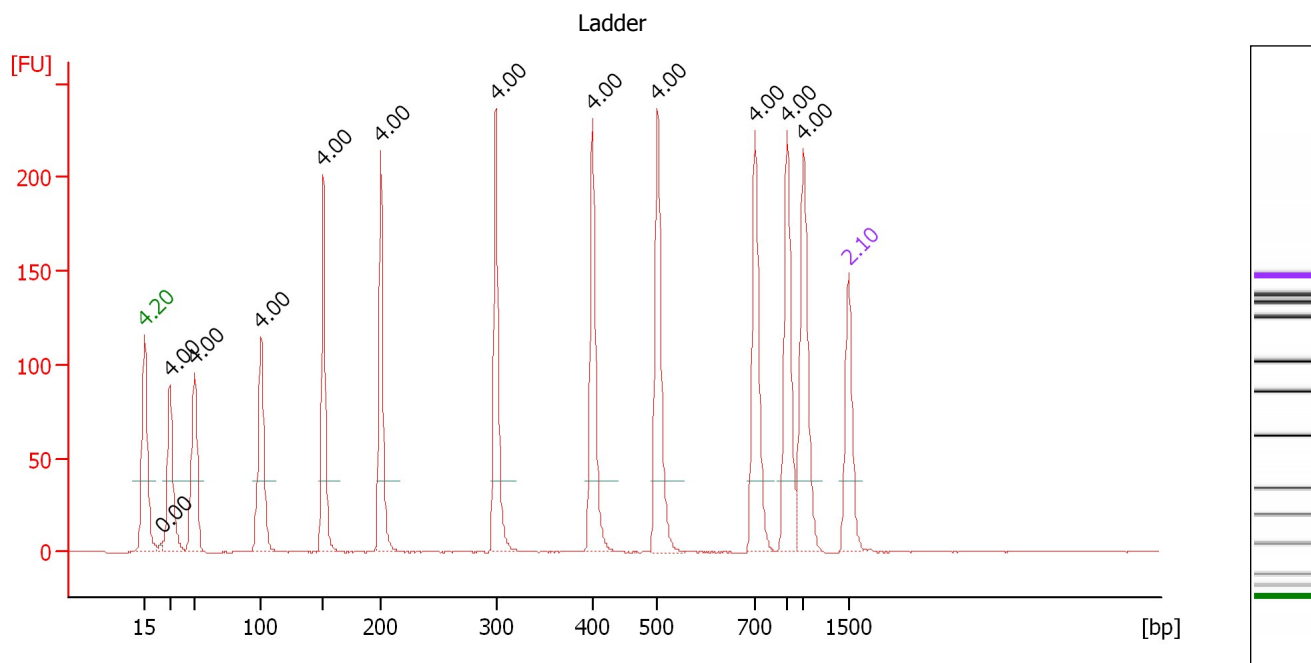
### Ladder

Ladder Peak	Size	Area
1	15	25
2	25	26
3	50	34
4	100	41
5	150	45
6	200	52
7	300	63
8	400	76
9	500	83
10	700	88
11	850	86
12	1000	90
13	1500	52

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary**



**Peak table for Ladder**

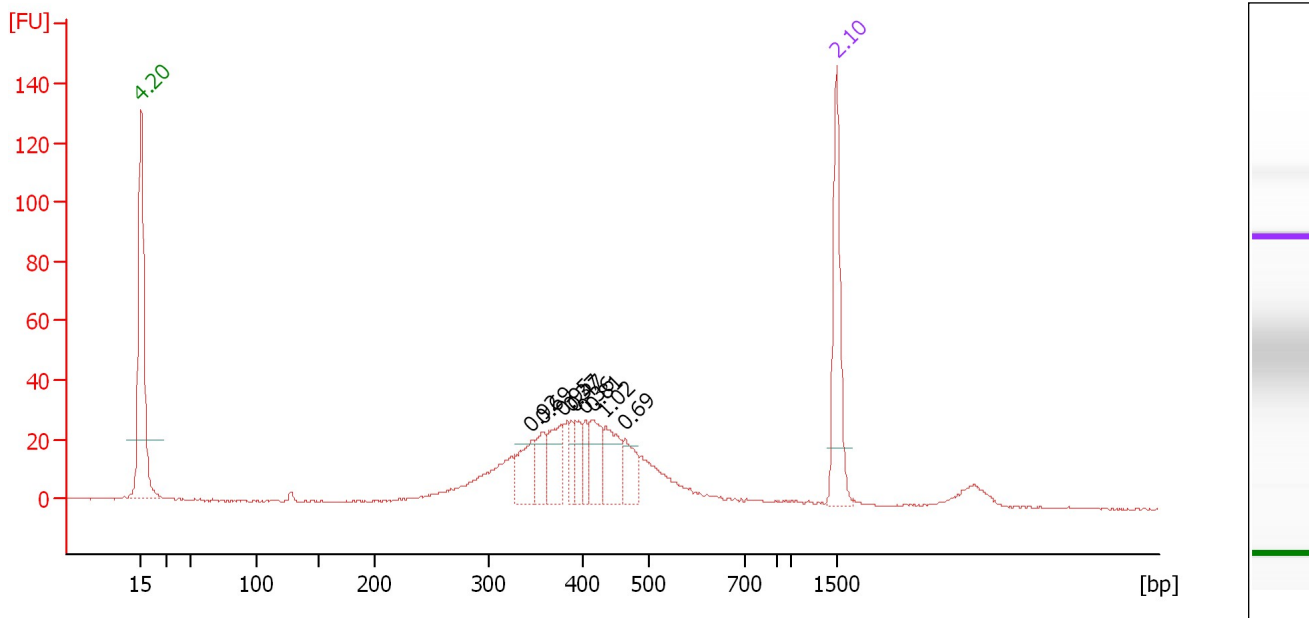
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	115.5
2	22	0.00	0.0		5.3
3	25	4.00	242.4	Ladder Peak	89.5
4	50	4.00	121.2	Ladder Peak	95.7
5	100	4.00	60.6	Ladder Peak	115.2
6	150	4.00	40.4	Ladder Peak	201.6
7	200	4.00	30.3	Ladder Peak	214.2
8	300	4.00	20.2	Ladder Peak	236.9
9	400	4.00	15.2	Ladder Peak	231.7
10	500	4.00	12.1	Ladder Peak	237.2
11	700	4.00	8.7	Ladder Peak	224.8
12	850	4.00	7.1	Ladder Peak	225.5
13	1,000	4.00	6.1	Ladder Peak	215.4
14	1,500	2.10	2.1	Upper Marker	148.7

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 1



**Overall Results for sample 1 : Kursus 2019 library 1**

Number of peaks found: 9

**Peak table for sample 1 : Kursus 2019 library 1**

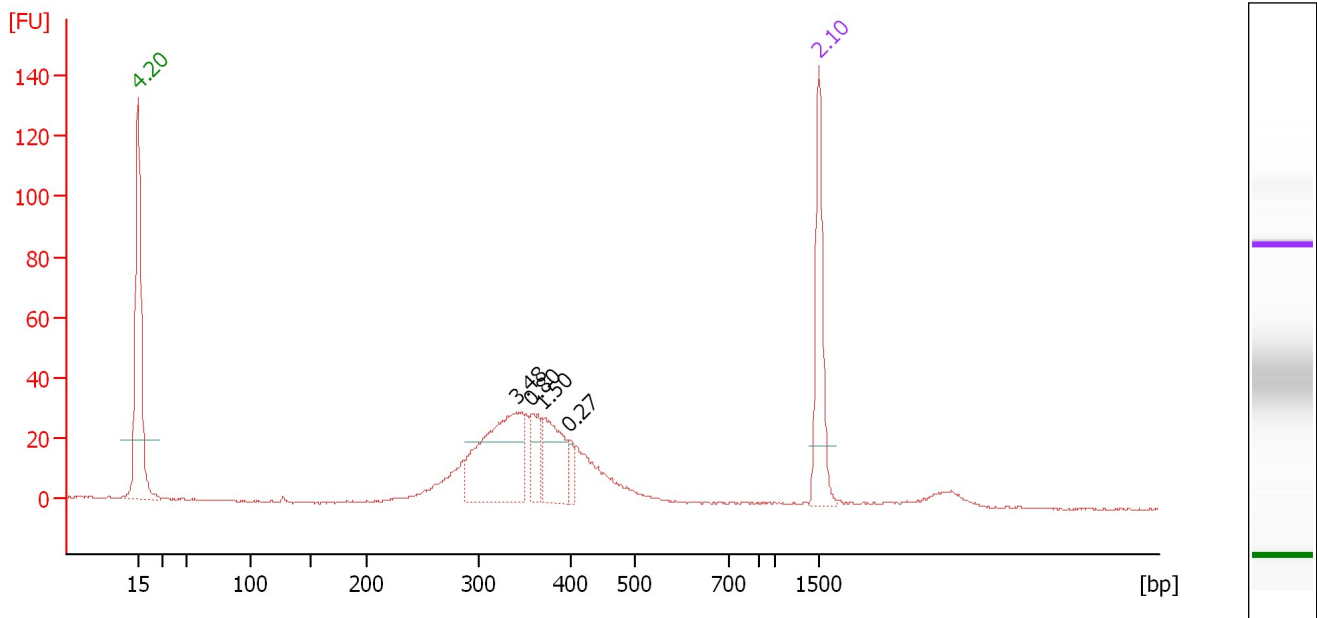
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	131.0
2	345	0.92	4.0		21.5
3	358	0.69	2.9		24.1
4	378	0.95	3.8		26.8
5	387	0.37	1.5		28.1
6	392	0.47	1.8		28.1
7	402	0.36	1.4		27.8
8	413	0.81	3.0		28.6
9	433	1.02	3.6		26.6
10	464	0.69	2.2		22.3
11	1,500	2.10	2.1	Upper Marker	148.8

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 2



**Overall Results for sample 2 : Kursus 2019 library 2**

Number of peaks found: 4

**Peak table for sample 2 : Kursus 2019 library 2**

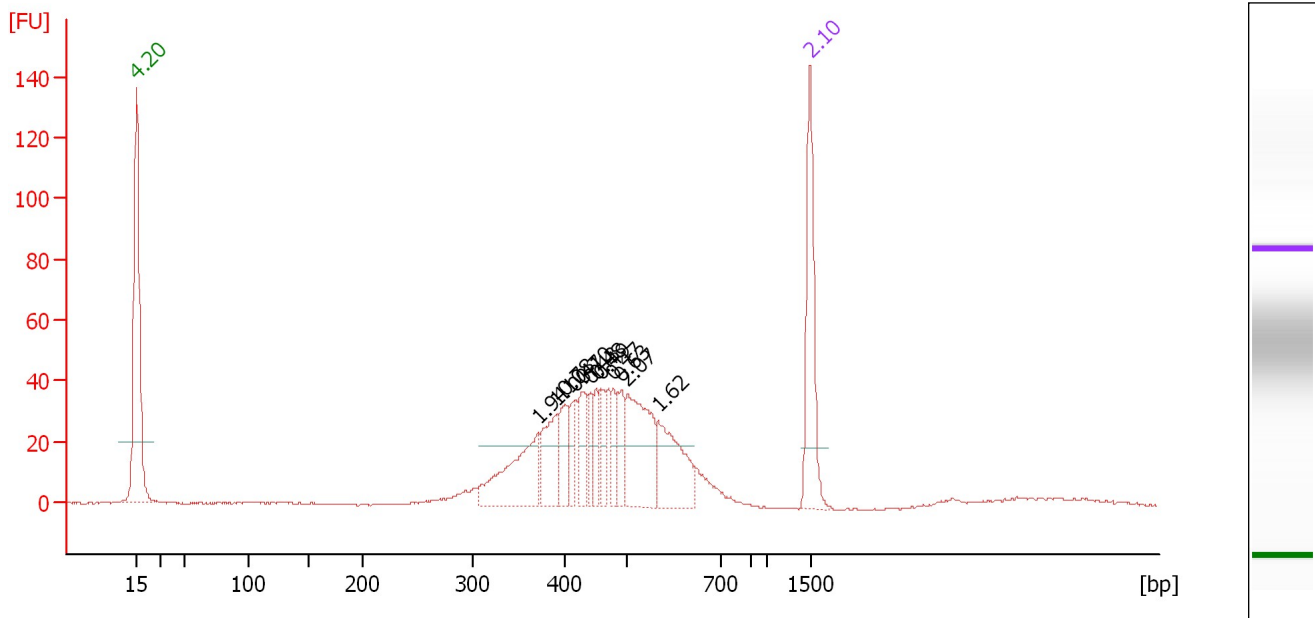
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	133.1
2	341	3.48	15.4		29.9
3	357	0.80	3.4		29.6
4	369	1.50	6.2		28.0
5	397	0.27	1.0		21.0
6	1,500	2.10	2.1	Upper Marker	146.6

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 3



**Overall Results for sample 3 : Kursus 2019 library 3**

Number of peaks found: 12

**Peak table for sample 3 : Kursus 2019 library 3**

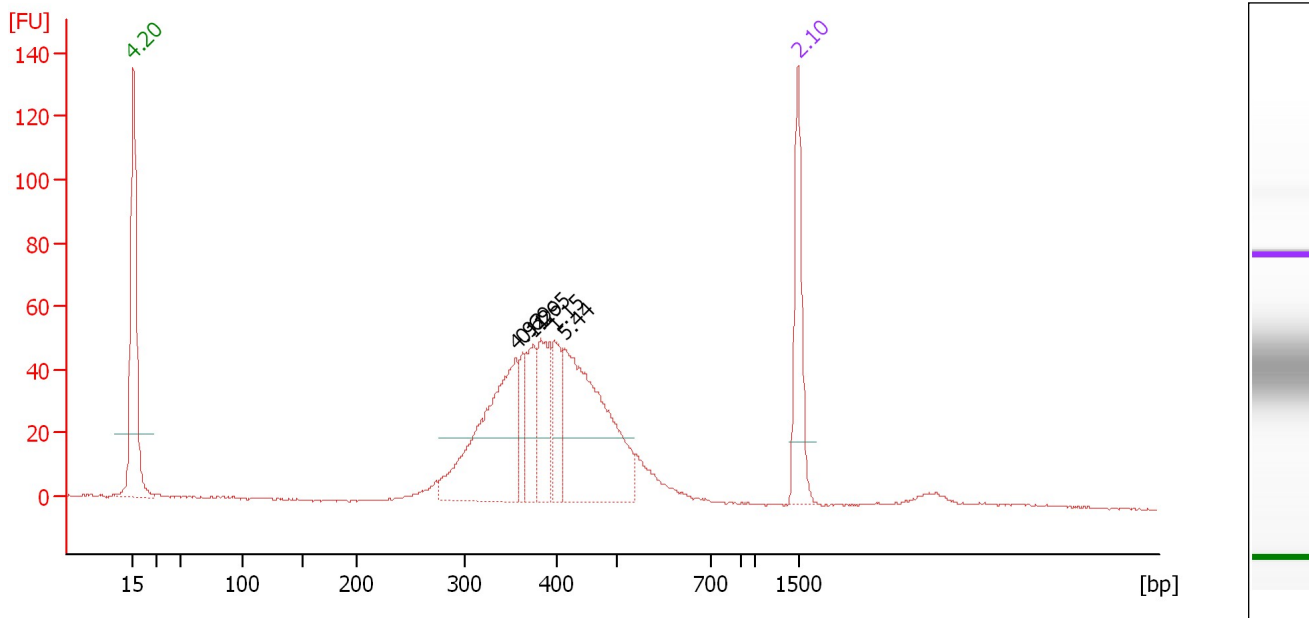
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	136.2
2	371	1.94	7.9		24.0
3	390	1.10	4.3		30.1
4	401	0.78	3.0		33.7
5	415	0.41	1.5		35.0
6	427	0.70	2.5		37.6
7	442	0.43	1.5		37.5
8	450	0.48	1.6		39.2
9	457	0.49	1.6		38.7
10	477	0.47	1.5		39.1
11	490	0.63	1.9		38.2
12	499	2.07	6.3		37.3
13	565	1.62	4.3		28.6
14	1,500	2.10	2.1	Upper Marker	146.0

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 4



**Overall Results for sample 4 : Kursus 2019 library 4**

Number of peaks found: 6

**Peak table for sample 4 : Kursus 2019 library 4**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	136.0
2	356	4.92	20.9		45.7
3	363	0.69	2.9		47.1
4	374	1.29	5.2		49.1
5	383	1.65	6.5		51.8
6	398	1.15	4.4		50.9
7	414	5.44	19.9		48.5
8	1,500	2.10	2.1	Upper Marker	138.8

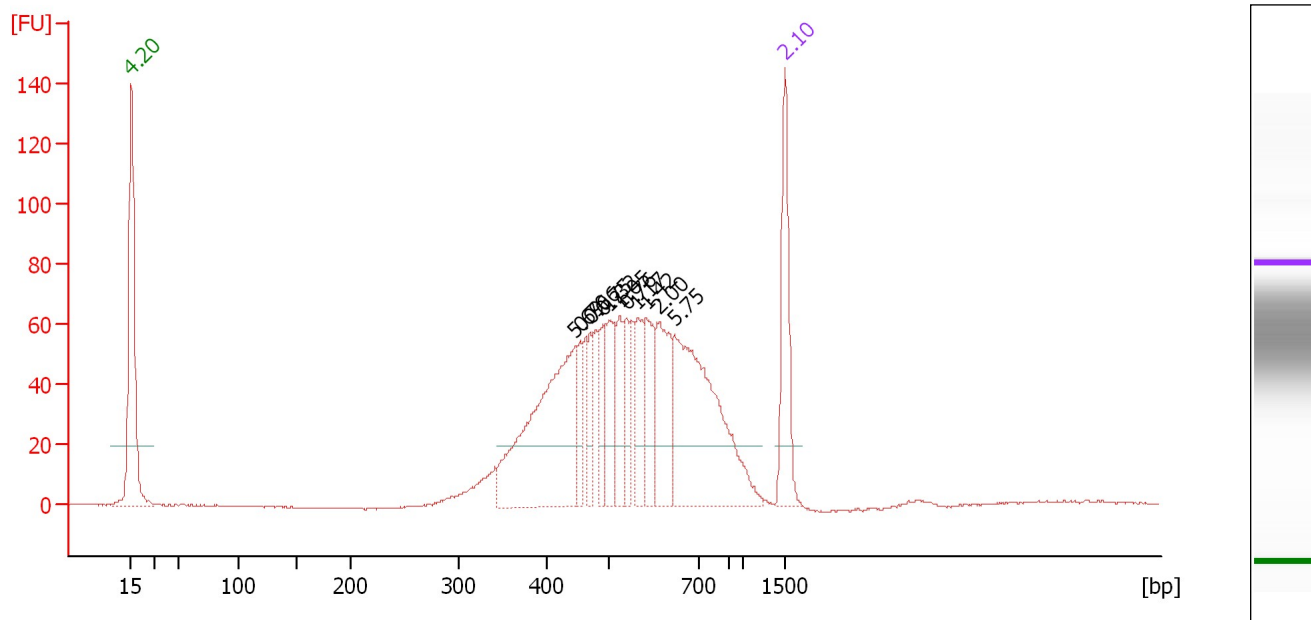


Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 5



**Overall Results for sample 5 : Kursus 2019 library 5**

Number of peaks found: 11

**Peak table for sample 5 : Kursus 2019 library 5**

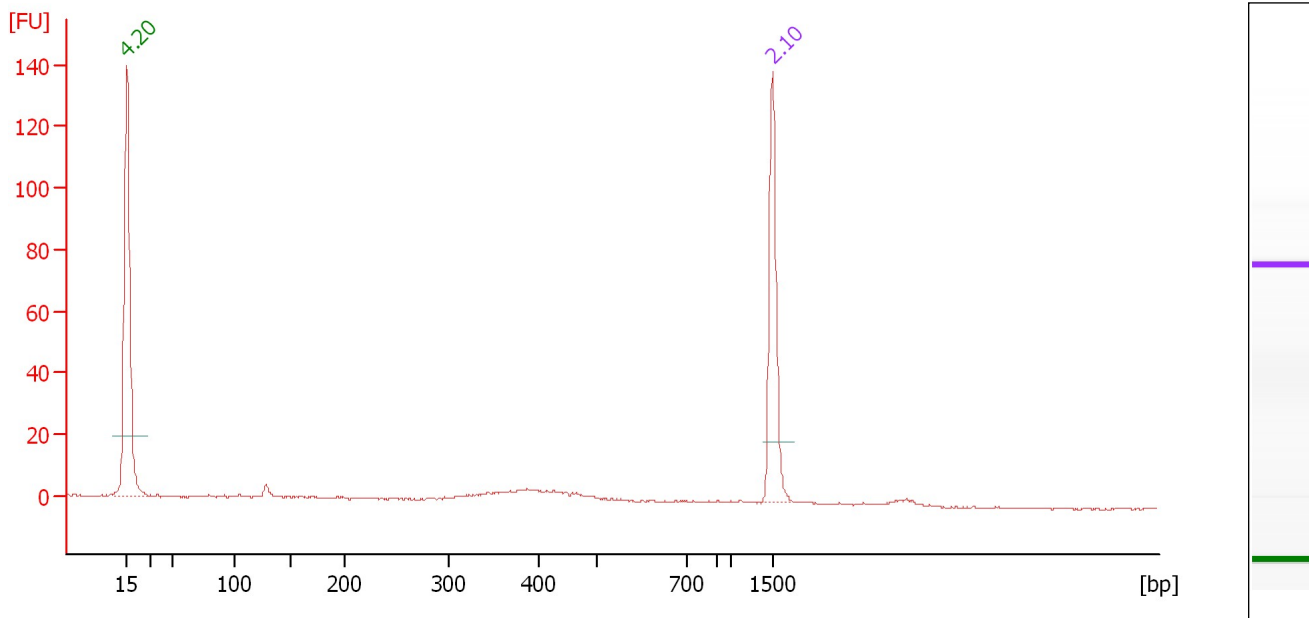
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	140.4
2	446	5.69	19.3		53.2
3	454	0.70	2.3		55.4
4	471	0.66	2.1		58.1
5	491	0.75	2.3		60.5
6	504	1.32	4.0		61.8
7	527	1.05	3.0		63.4
8	541	0.76	2.1		62.5
9	566	1.17	3.1		62.5
10	584	1.42	3.7		62.7
11	612	2.00	4.9		61.1
12	646	5.75	13.5		57.1
13	1,500	2.10	2.1	Upper Marker	145.8

Assay Class: DNA 1000  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
 Modified: 9/20/2019 12:57:39 PM

**Electropherogram Summary Continued ...**

Kursus 2019 library 6



**Overall Results for sample 6 : Kursus 2019 library 6**

Number of peaks found: 0

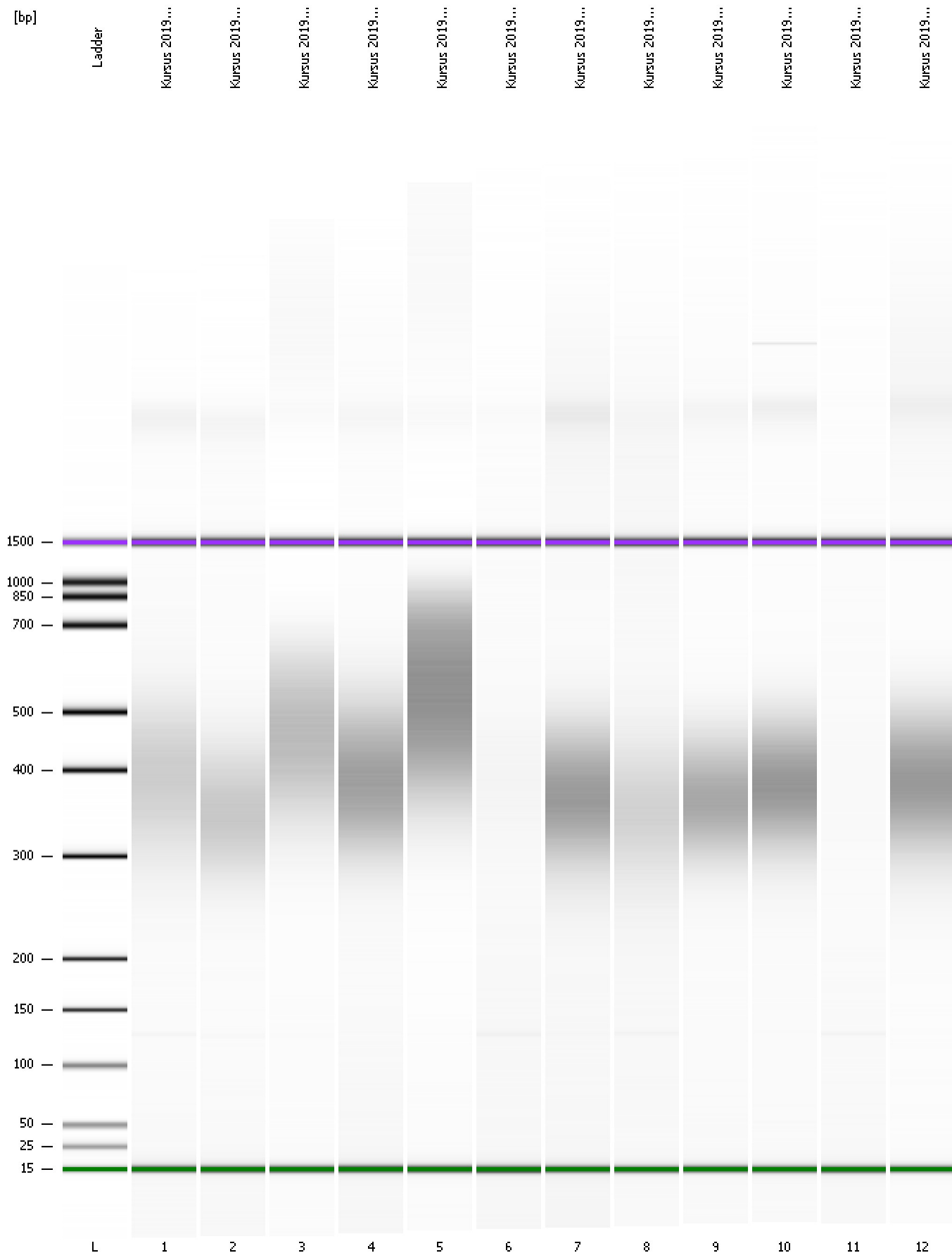
**Peak table for sample 6 : Kursus 2019 library 6**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations	Peak Height
1	15	4.20	424.2	Lower Marker	140.4
2	1,500	2.10	2.1	Upper Marker	140.2

Assay Class: DNA 1000  
Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad

Created: 9/20/2019 12:15:47 PM  
Modified: 9/20/2019 12:57:39 PM

Gel Image



Assay Class: DNA 1000 Created: 9/20/2019 12:15:47 PM  
 Data Path: C:\...-20\2100 expert\_DNA 1000\_DE72901621\_2019-09-20\_12-15-48.xad Modified: 9/20/2019 12:57:39 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		9/20/2019 12:57:35 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2019-09-20\2100 expert_DNA 1000_DE72901621_2019-09-20_12-15-48.xad )		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Product Number : G2939A		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Name :		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Vendor : Agilent Technologies		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Serial# : DE72901621		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Firmware : C.01.069		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02
Cartridge : Electrode		Instrument	Run		9/20/2019 12:15:54 PM	(GMT +02:00) Romance Standard Time	Lab	W-LAB02