

Assay Class:

Data Path:

High Sensitivity DNA Assay

C:\... bioanalyzer\2100 expert\data\2018-02-12\2018-02-12_001.xad

2/12/2018 10:16:13 AM

2/12/2018 10:48:02 AM

Created:

Modified:

Assay Class:	High Sensitivity DNA Assay
Data Path:	C:\ bioanalyzer\2100 expert\data\2018-02-12\2018-02-12_001.xad
Data Fath.	

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
sample 1			~			
sample 2			\checkmark			
sample 3			\checkmark			
sample 4			\checkmark			
sample 5			\checkmark			
sample 6			\checkmark			
sample 7			\checkmark			
sample 8			×			
sample 9			×			
sample 10			×			
sample 11			×			
Ladder			\checkmark			

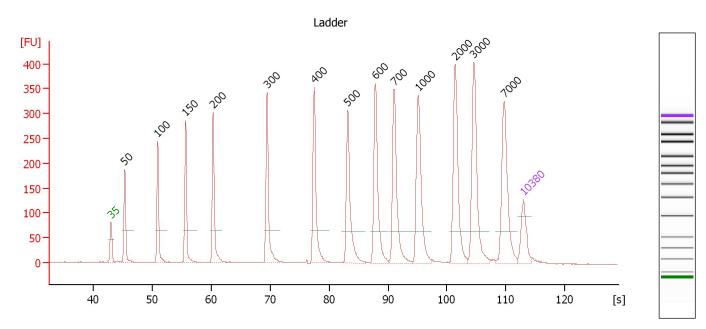
Chip Lot #

Reagent Kit Lot #

Chip Comments :

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary



Overall Results for Ladder

Noise:

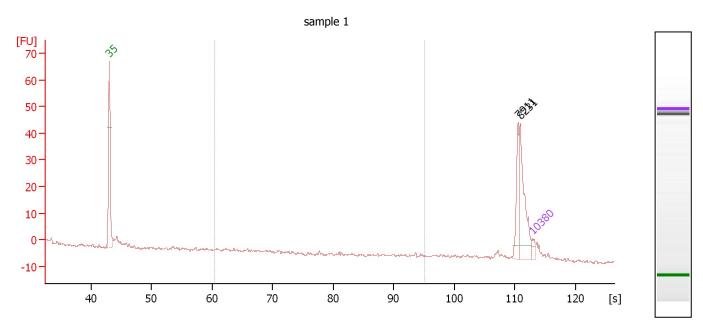
0.5

Peak table for Ladder

Pea k		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1		35	125.00	5,411.3	Lower Marker	43.00
2	L	50	150.00	4,545.5	Ladder Peak	45.32
3		100	150.00	2,272.7	Ladder Peak	50.92
4		150	150.00	1,515.2	Ladder Peak	55.66
5	L	200	150.00	1,136.4	Ladder Peak	60.31
6		300	150.00	757.6	Ladder Peak	69.46
7		400	150.00	568.2	Ladder Peak	77.48
8	L	500	150.00	454.5	Ladder Peak	83.17
9		600	150.00	378.8	Ladder Peak	87.86
10		700	150.00	324.7	Ladder Peak	91.05
11		1,000	150.00	227.3	Ladder Peak	95.10
12		2,000	150.00	113.6	Ladder Peak	101.43
13		3,000	150.00	75.8	Ladder Peak	104.57
14		7,000	150.00	32.5	Ladder Peak	109.72
15		10,380	75.00	10.9	Upper Marker	113.00

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : <u>sample 1</u>

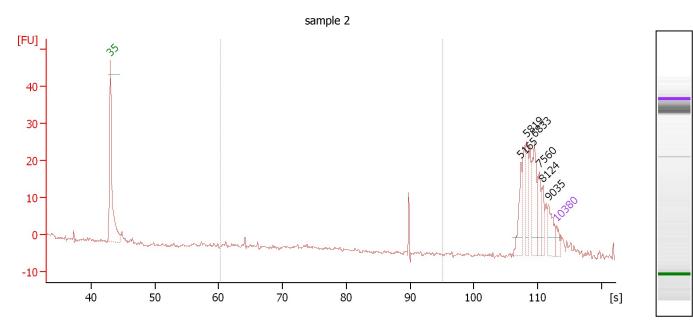
Number of peaks found:	2	Corr. Area 1:	0.3
Noise:	0.4		

Peak table for sample 1 : <u>sample 1</u>

Pea k	Size [bp]	Conc. [pg	/µl] M	olarity [pmo	ol/l] Observ	ations	Aligr	ned Migration Time [s]
1	35	125.00	5,	411.3	Lower I	Marker	43.00)
2	7,911	453.33	80	5.8			110.6	50
3	8,231	898.59	10	55.4			110.9	92
4 🕨	10,380	75.00	10).9	Upper N	Marker	113.0	00
Region	table for sa	mple 1 :	sample	<u>e 1</u>				
From [bp] 200	To [bp] Av [b] 1,000 846	p]	Corr. Area 0.3	Conc. [pg/μl] 7.28	Molarity [pmol/l] 14.2	Co % c lor Tota		Size distribution in CV [%] 20.7

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : <u>sample 2</u>

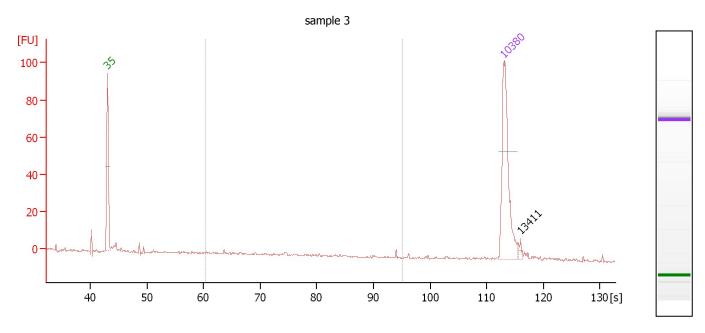
Number of peaks found:	6	Corr. Area 1:	3.1
Noise:	0.3		

Peak table for sample 2 : <u>sample 2</u>

Pea k		Size [bp]	Conc. [pg	g/μl]	Molarity [pmol	/l] Obser	vations	Alig	ned Migration Time [s]
1		35	125.00		5,411.3	Lower	Marker	43.0	0
2		5,165	268.73		78.8			107.	36
3		5,819	280.21		73.0			108.	20
4		6,833	411.24		91.2			109.	51
5		7,560	207.28		41.5			110.	26
6		8,124	152.54		28.4			110.	81
7		9,035	228.24		38.3			111.	70
8		10,380	75.00		10.9	Upper	Marker	113.	00
Regi	on 1	able for san	nple 2 :	samp	<u>le 2</u>				
From	l I	To [bp] Ave	rage Size	Corr.	Conc.	Molarity	Co % (of	Size distribution in
[bp]		[bp]	Area	[pg/µl]	[pmol/l]	lor Tot	al	CV [%]
200		1,000 633		3.1	71.23	193.5	2		16.3

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : <u>sample 3</u>

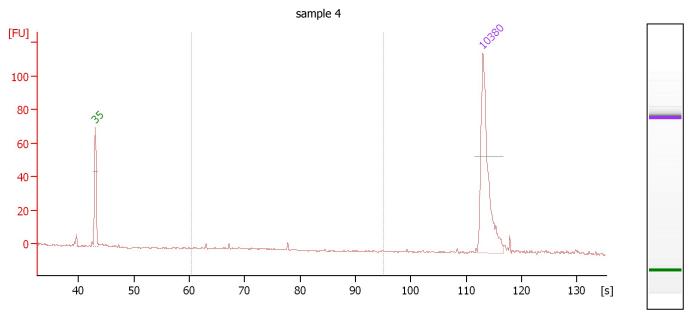
Number of peaks found:	1	Corr. Area 1:	5.7
Noise:	0.4		

Peak	tał	ole for samp	le 3 :	sample	<u>e 3</u>				
Pea k		Size [bp]	Conc. [po	g/µl]	Molarity [pm	ol/l] Obs	ervations	Aligned	Migration Time [s]
1	•	35	125.00		5,411.3	Lowe	er Marker	43.00	
2		10,380	75.00		10.9	Uppe	er Marker	113.00	
3		13,411	0.00		0.0			115.94	
Regi	on t	able for san	nple 3 :	<u>sam</u>	<u>ple 3</u>				
From	I	To [bp] Ave		Corr.	Conc.	Molarity	Co % o		e distribution in
[bp]		[bp]	Area	[pg/µl]	[pmol/l]	lor Tota	al CV	[%]
200		1,000 473		5.7	5.08	22.4	12	50.9	9

d Created: 2/12/2 Modified: 2/12/2

d: 2/12/2018 10:16:13 AM d: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



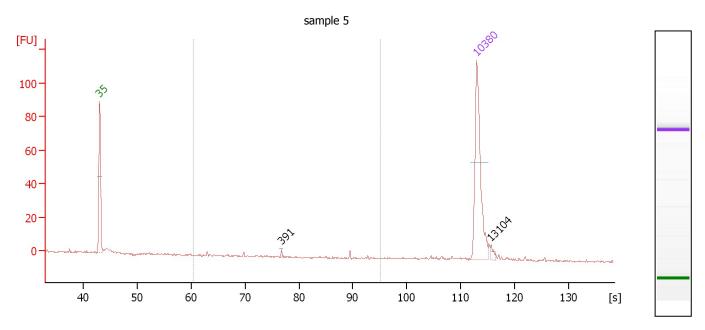
Overall Results for sample 4 : <u>sample 4</u>

Number of peaks found:	0	Corr. Area 1:	2.0
Noise:	0.3		

Peak	tal	ble for samp	le 4 :	<u>sampl</u>	<u>e 4</u>					
Pea k		Size [bp]	Conc. [p	g/µI]	Molarity [pm	ol/l] (Observatio	ons	Aligned Migratio	n Time [s]
1		35	125.00		5,411.3	L	ower Mark	ær	43.00	
2		10,380	75.00		10.9	ι	Jpper Mark	er	113.00	
Regi	ont	table for sar	nple 4 :	sam	ple 4					
From [bp] 200	1	To [bp] Ave [bp 1,000 331]	Corr. Area 2.0	Conc. [pg/µl] 1.47	Molar [pmol 7.4	-	Co % of or Total		ution in

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : <u>sample 5</u>	Overall	Results	for	sample 5	:	sample 5
--	---------	---------	-----	----------	---	----------

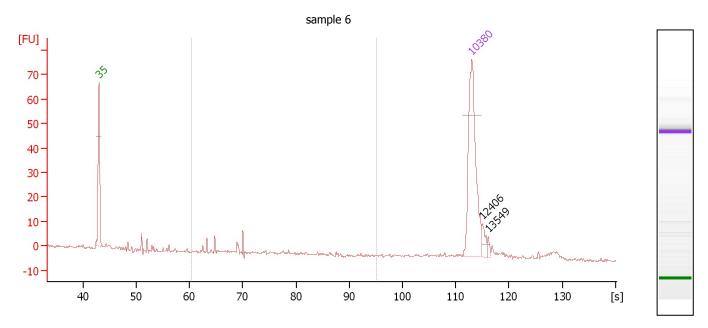
Number of peaks found:	2	Corr. Area 1:	3.0
Noise:	0.4		

Peak ta	ble for samp	le5: <u>s</u>	ample 5					
Pea k	Size [bp]	Conc. [pg/	μl] M	olarity [pmc	ol/I] Observ	vations	Align	ed Migration Time [s]
1 📢	35	125.00	5,	411.3	Lower N	1arker	43.00	
2	391	1.30	5.	0			76.75	
3 🕨	10,380	75.00	10).9	Upper N	1arker	113.0	0
4	13,104	0.00	0.	0			115.64	4
Region	table for sar	nple 5 :	sample	<u>e 5</u>				
From [bp] 200	To [bp] Ave [bp 1,000 478)	Corr. Area 3.0	Conc. [pg/μl] 2.63	Molarity [pmol/l] 10.6	Co % o lor Tota 9	nl (Size distribution in CV [%] 39.5

Created: 2/12/2018 Modified: 2/12/2018

l: 2/12/2018 10:16:13 AM l: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



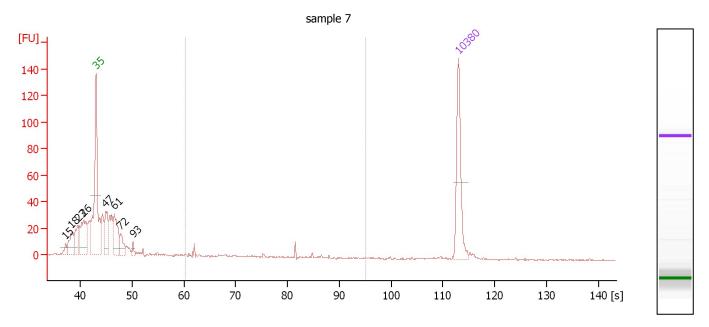
Overall Results for sample 6 : <u>sample 6</u>

Number of peaks found:	2	Corr. Area 1:	8.6
Noise:	0.5		

Peak ta	ble for samp	ole 6 : <u>s</u>	sample 6					
Pea k	Size [bp]	Conc. [pg/	μ] M	olarity [pm	ol/l] O	bservations	Alig	ned Migration Time [s]
1 📢	35	125.00	5,	411.3	Lo	wer Marker	43.0	0
2 🕨	10,380	75.00	10).9	U	oper Marker	113.	00
3	12,406	0.00	0.	0			114.	97
4	13,549	0.00	0.	0			116.	07
Region	table for sar	mple 6 :	sample	<u>e 6</u>				
From [bp] 200	To [bp] Ave [bp 1,000 301	p] /	Corr. Area 8.6	Conc. [pg/µl] 8.92	Molarit [pmol/ 48.2		tal	Size distribution in CV [%] 29.4

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : <u>sample 7</u>

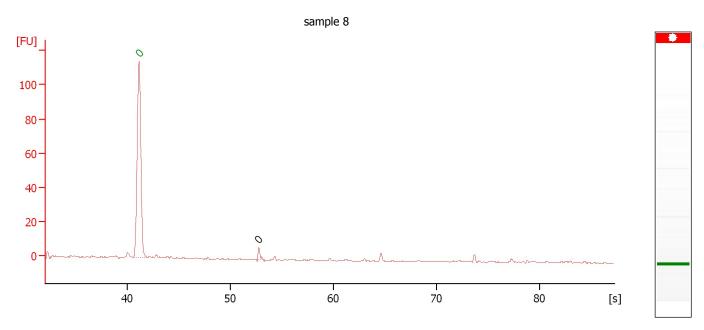
Number of peaks found:	8	Corr. Area 1:	18.6
Noise:	0.4		

Peak table for sample 7 : <u>sample 7</u>

Pea k	Size [bp]	Conc. [pg/	/µl] Molarity [p	mol/l] Observatio	ns Aligned Migrati	on Time [s]
1	15	0.00	0.0		37.15	
2	18	0.00	0.0		38.18	
3	23	0.00	0.0		39.53	
4	26	0.00	0.0		40.56	
5 📢	35	125.00	5,411.3	Lower Mark	er 43.00	
6	47	66.63	2,145.9		44.87	
7	61	79.73	1,974.5		46.58	
8	72	32.40	683.6		47.77	
9	93	9.20	149.7		50.15	
10	10,380	75.00	10.9	Upper Mark	r 113.00	
Region	table for sa	mple 7 :	<u>sample 7</u>			
From [bp] 200	To [bp] Av [bj 1,000 355	p]	Corr. Conc. Area [pg/μl] 18.6 17.32	· · · · ·	o % ofSize distrir TotalCV [%]337.2	bution in

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : <u>sample 8</u>

Number of peaks found: 1 Noise: 0.3

Peak	tał	ole for samp	le 8 : <u>samp</u>	<u>le 8</u>		
Pea k		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	•	0	0.00	0.0	Lower Marker	41.15
2		0	0.00	0.0		52.75

Assay Class: Data Path: Gel Image		h Sensitivit bioanaly	y DNA Ass zer\2100 e	ay xpert\data\:	2018-02-12	\2018-02-	12_001.xad	I		Created: Modified:	2/12/2018 2/12/2018	8 10:16:13 AN 8 10:48:02 AN
[5]	Ladder	sample 1	sample 2	sample 3	sample 4	sample 5	sample 6	sample 7	sample 8	sample 9	sample 10	sample 11
142 - 140 - 138 - 138 - 136 - 134 - 132 - 130 - 128 - 128 - 126 - 124 - 122 - 120 - 118 - 114 - 1122 - 110 - 118 - 114 - 1122 - 110 - 108 - 104 - 102 - 100 - 10												
52 — 50 — 48 — 46 — 44 — 42 — 40 — 38 — 36 —	_											
34 — 32 —	L	1	2	3	4	5	6	7	8	9	10	11

Invalid Samples

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Created: 2/12/2018 10:16:13 AM Modified: 2/12/2018 10:48:02 AM