| Assay Class: | High Sensitivity DNA Assay | | Created: | 1/19/2016 2:45:39 PM |
| Data Path: | P:\...\Run10\NG-125_High Sensitivity DNA Assay_Run10_20160119.xad | | Modified: | 1/19/2016 3:28:41 PM |

Electrophoresis File Run Summary

NG-125_0012

Instrument Information:

| Instrument Name: | | Firmware: | C.01.069 |
| Serial#: | DE34903142 | 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:
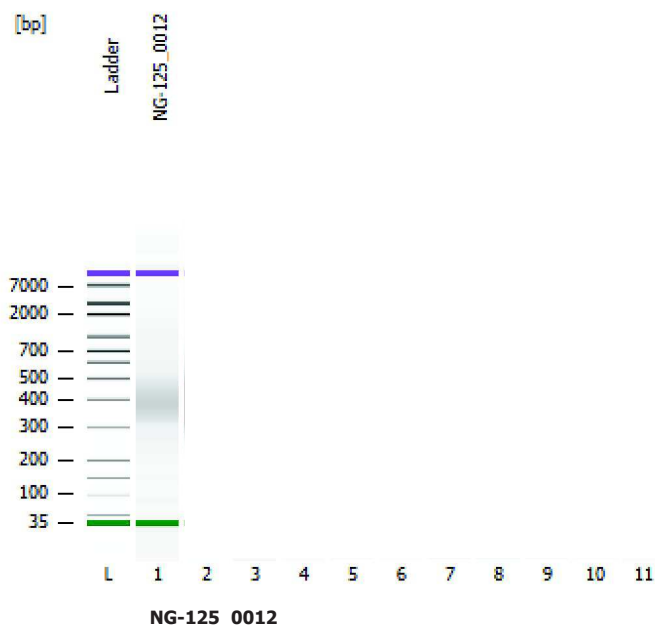
Chip Lot #:

Reagent Kit Lot #:

Chip Comments:

Assay Class: High Sensitivity DNA Assay
Data Path: P:\...\Run10\NG-125_High Sensitivity DNA Assay_Run10_20160119.xad

Created: 1/19/2016 2:45:39 PM
Modified: 1/19/2016 3:28:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
NG-125_0012		☐				

Chip Lot #   **Reagent Kit Lot #**

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: P:\...\Run10\NG-125_High Sensitivity DNA Assay_Run10_20160119.xad
Created: 1/19/2016 2:45:39 PM
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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
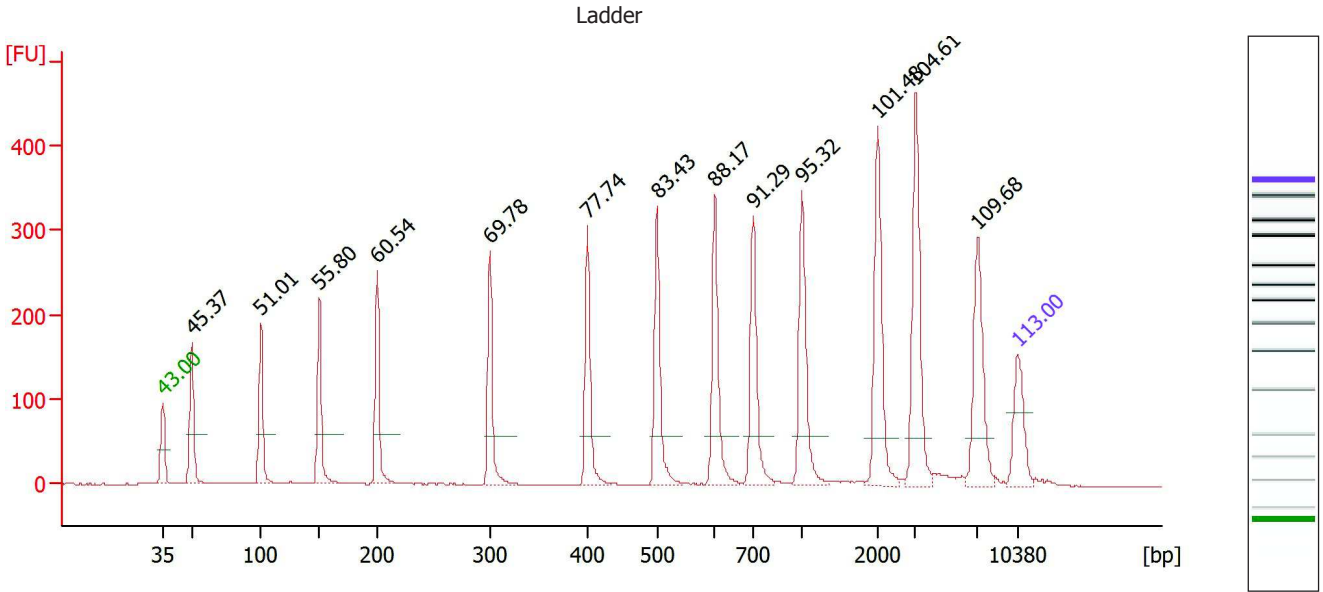
Filter Width [s] : 0.5
Polynomial Order : 4

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

Assay Class: High Sensitivity DNA Assay
Data Path: P:\...\Run10\NG-125_High Sensitivity DNA Assay_Run10_20160119.xad

Created: 1/19/2016 2:45:39 PM
Modified: 1/19/2016 3:28:41 PM

Electropherogram Summary
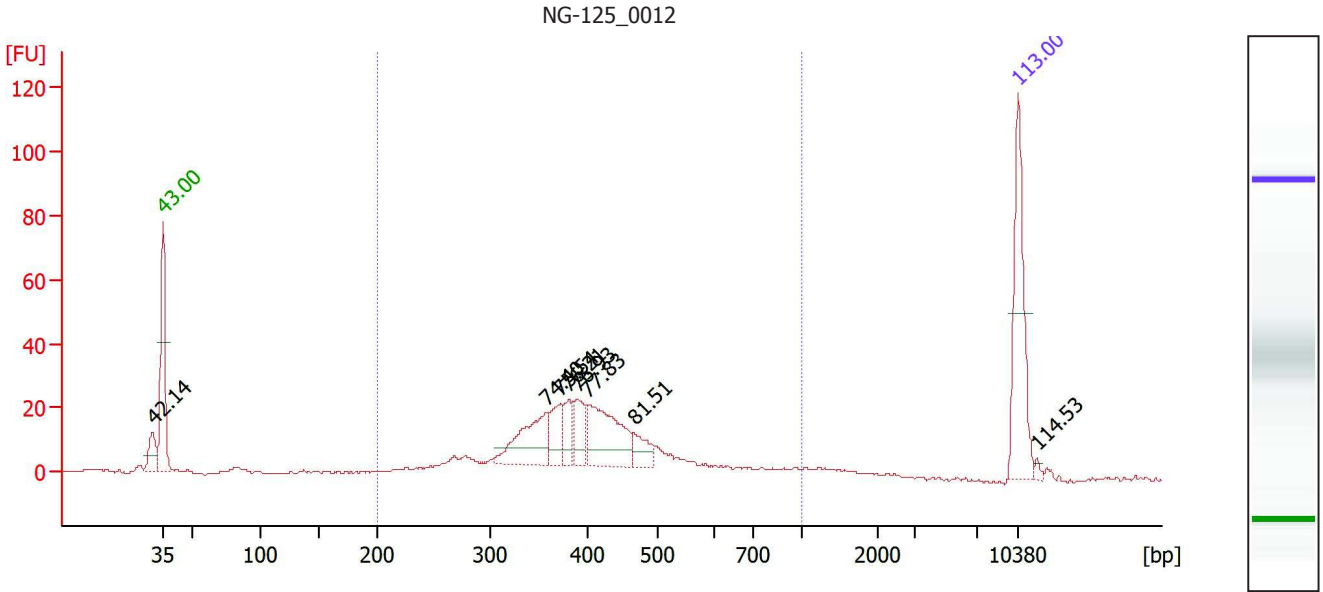

Ladder

Overall Results for Ladder

Noise: 0.4

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:	P:\...\Run10\NG-125_High Sensitivity DNA Assay_Run10_20160119.xad

Created:	1/19/2016 2:45:39 PM
Modified:	1/19/2016 3:28:41 PM

Electropherogram Summary Continued ...

NG-125_0012

Overall Results for sample 1 :   NG-125_0012

Number of peaks found:	8	Corr. Area 1:	425.2
Noise:	0.5		

Peak table for sample 1 :   NG-125_0012

Peak		Size [bp]	Conc. [pg/µl]	Molarity [pmol/l]	Observations
1		32	0.00	0.0	
2		35	125.00	5,411.3	Lower Marker
3		358	64.09	271.2	
4		372	28.06	114.2	
5		381	23.43	93.2	
6		390	30.15	117.2	
7		402	77.12	290.9	
8		466	19.72	64.1	
9		10,380	75.00	10.9	Upper Marker
10		11,936	0.00	0.0	

Region table for sample 1 :   NG-125_0012

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	425.2	78	424	30.8	468.33	1,861.9	■

Assay Class:　　High Sensitivity DNA Assay
Data Path:　　　P:\...\Run10\NG-125_High Sensitivity DNA Assay_Run10_20160119.xad

Created:　1/19/2016 2:45:39 PM
Modified:　1/19/2016 3:28:41 PM

Gel Image