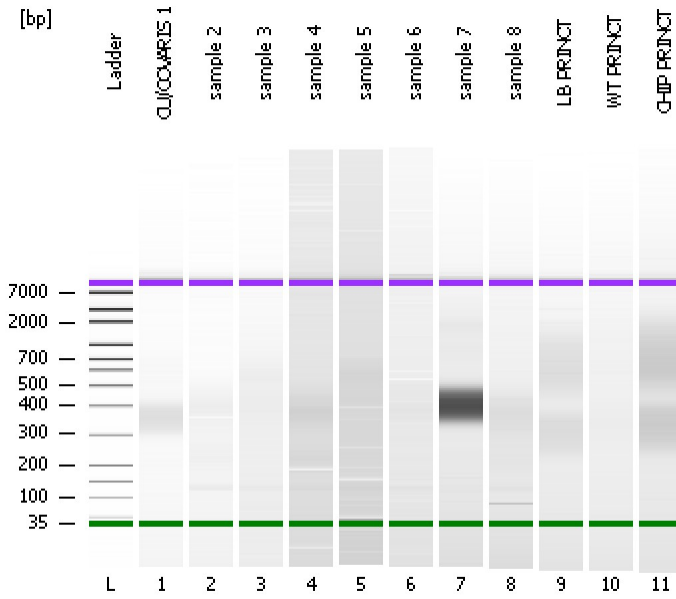


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
Modified: 3/27/2011 9:21:50 PM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE72901460      Firmware: C.01.069  
Serial#: DE72901460      Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.0  
Assay Comments: Copyright © 2003-2009 Agilent Technologies

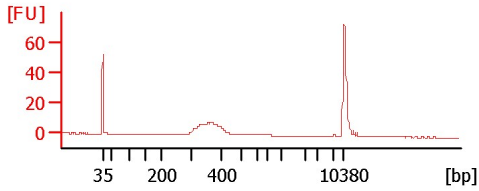
Chip Information:

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

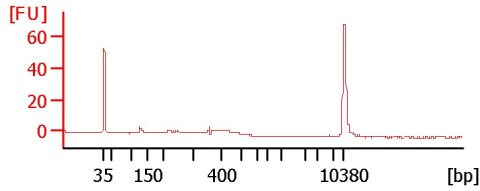
CU/COVARIS 1

sample 2

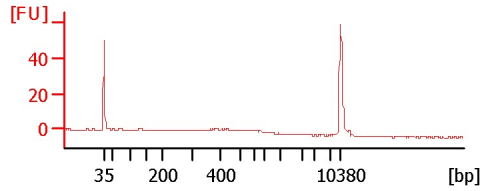
sample 3



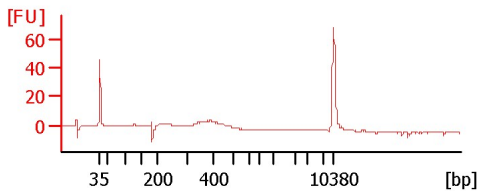
sample 4



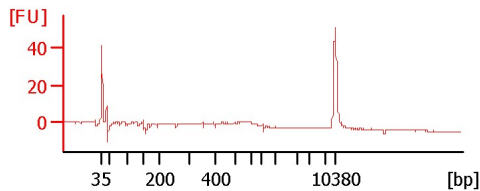
sample 5



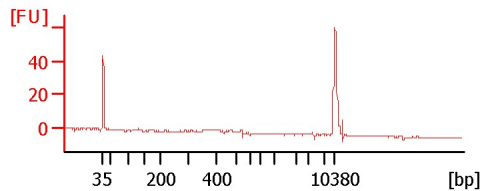
sample 6



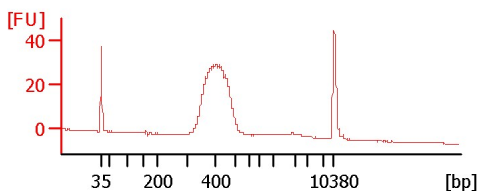
sample 7



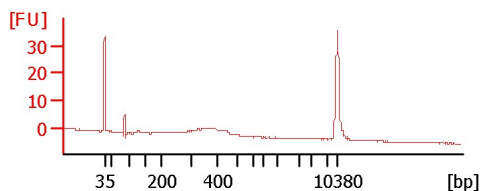
sample 8



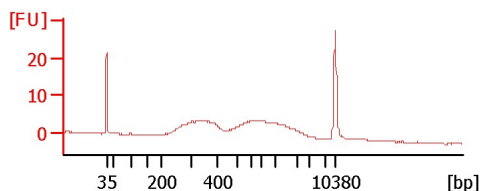
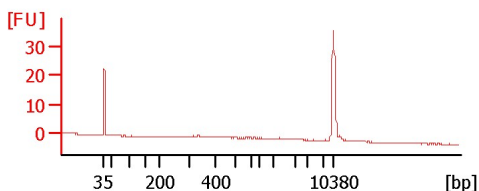
LB PRINTCT



WT PRINTCT



CHIP PRINTCT



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
 Modified: 3/27/2011 9:21:50 PM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
CU/COVARIS 1		<input type="checkbox"/>	✓			
sample 2		<input type="checkbox"/>	✓			
sample 3		<input type="checkbox"/>	✓			
sample 4		<input type="checkbox"/>	✓			
sample 5		<input type="checkbox"/>	✓			
sample 6		<input type="checkbox"/>	✓			
sample 7		<input type="checkbox"/>	✓			
sample 8		<input type="checkbox"/>	✓			
LB PRINCT		<input type="checkbox"/>	✓			
WT PRINCT		<input type="checkbox"/>	✓			
CHIP PRINCT		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
 Modified: 3/27/2011 9:21:50 PM

**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

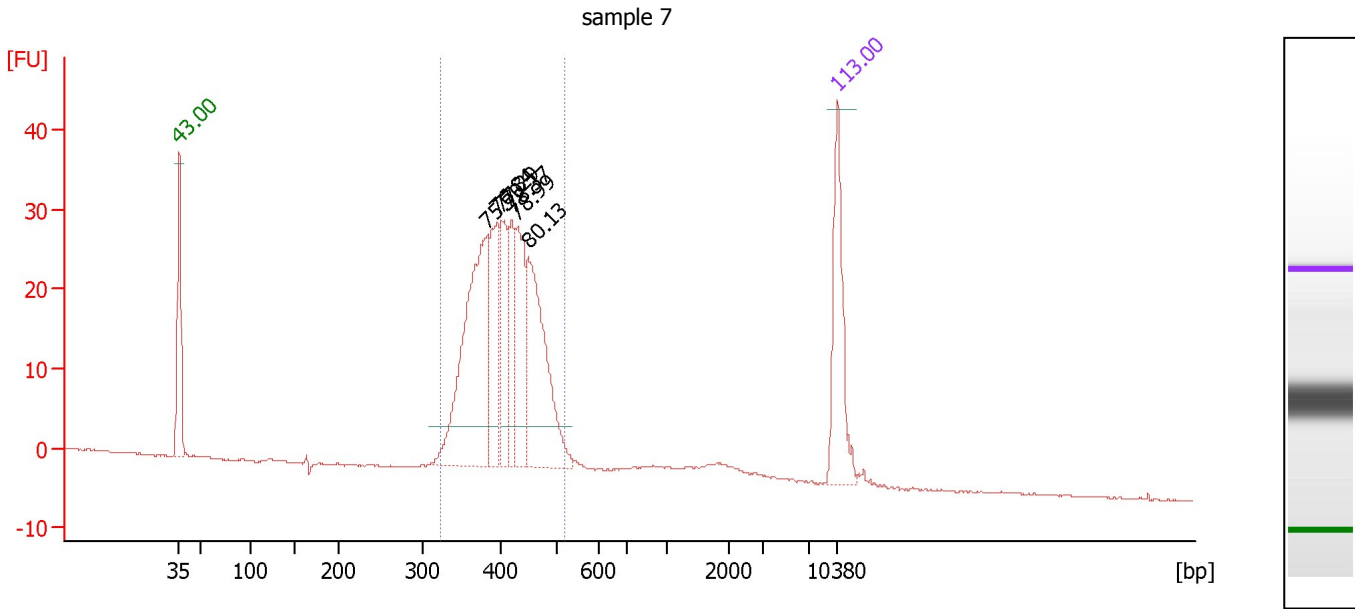
**Ladder**

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:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
 Modified: 3/27/2011 9:21:50 PM

**Electropherogram Summary**



**Overall Results for sample 7 : sample 7**

Number of peaks found: 6                      Corr. Area 1: 322.7  
 Noise: 0.1

**Peak table for sample 7 : sample 7**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	382	235.19	933.6	
3	395	84.23	322.7	
4	401	65.86	248.7	
5	420	64.57	233.1	
6	430	90.45	318.4	
7	450	164.46	553.9	
8	10,380	75.00	10.9	Upper Marker

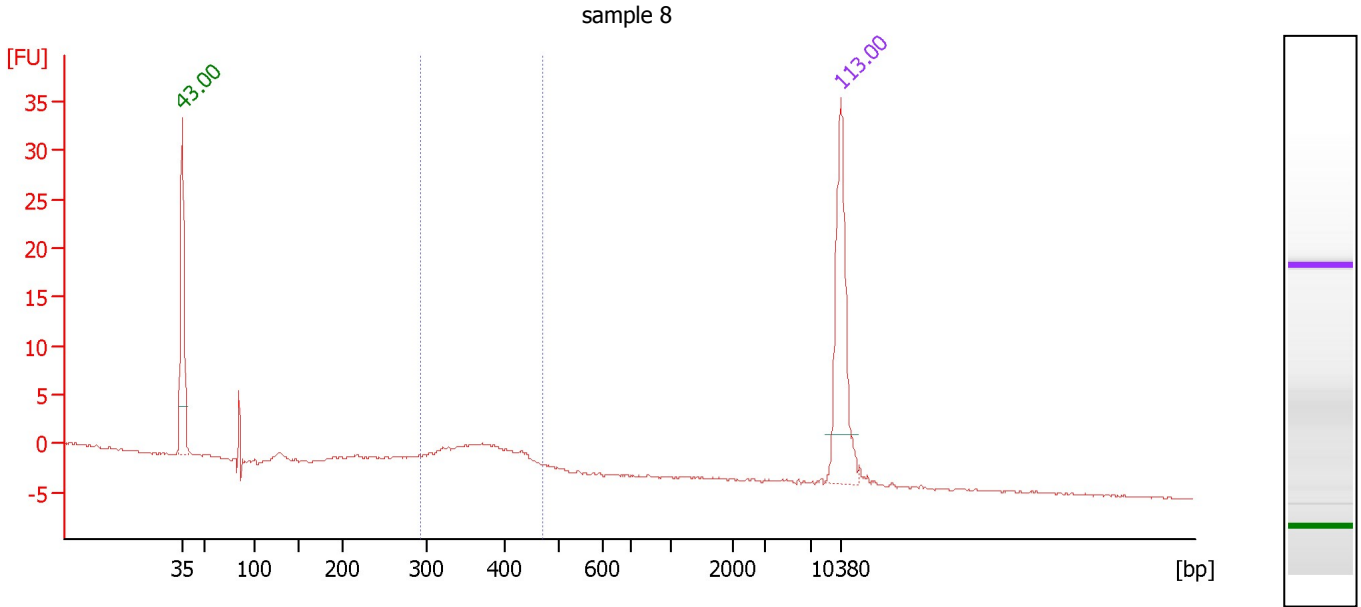
**Region table for sample 7 : sample 7**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
322	519	322.7	92	411	10.5	738.91	2,759.4	Blue

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
 Modified: 3/27/2011 9:21:50 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : sample 8**

Number of peaks found: 0                      Corr. Area 1: 22.3  
 Noise: 0.1

**Peak table for sample 8 : sample 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	35	125.00	5,411.3	Lower Marker
2	10,380	75.00	10.9	Upper Marker

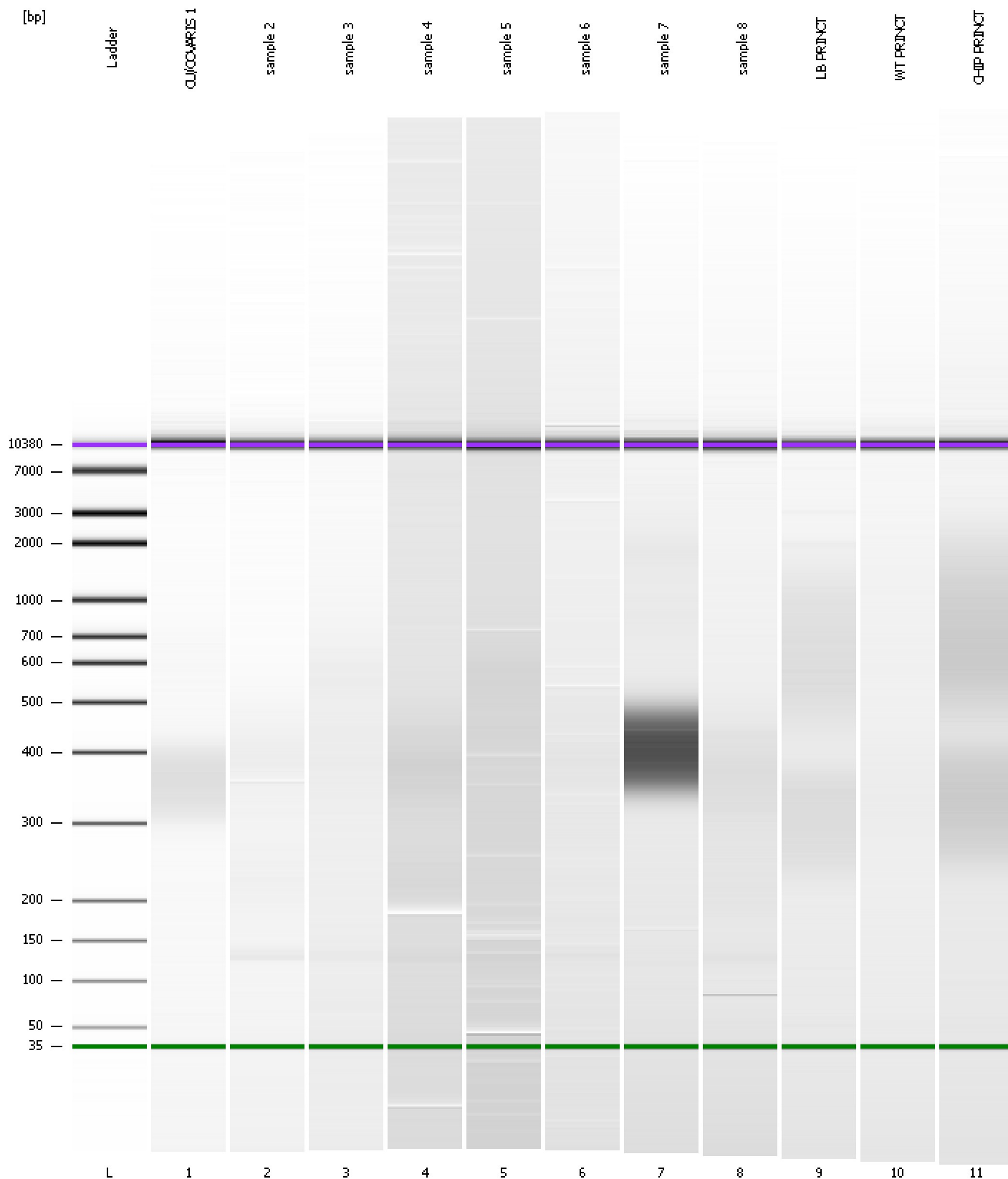
**Region table for sample 8 : sample 8**

From [bp]	To [bp]	Corr. Area	% of Total	Average Size [bp]	Size distribution in CV [%]	Conc. [pg/μl]	Molarity [pmol/l]	Color
294	470	22.3	79	372	10.9	59.58	245.4	Blue

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
Modified: 3/27/2011 9:21:50 PM

**Gel Image**

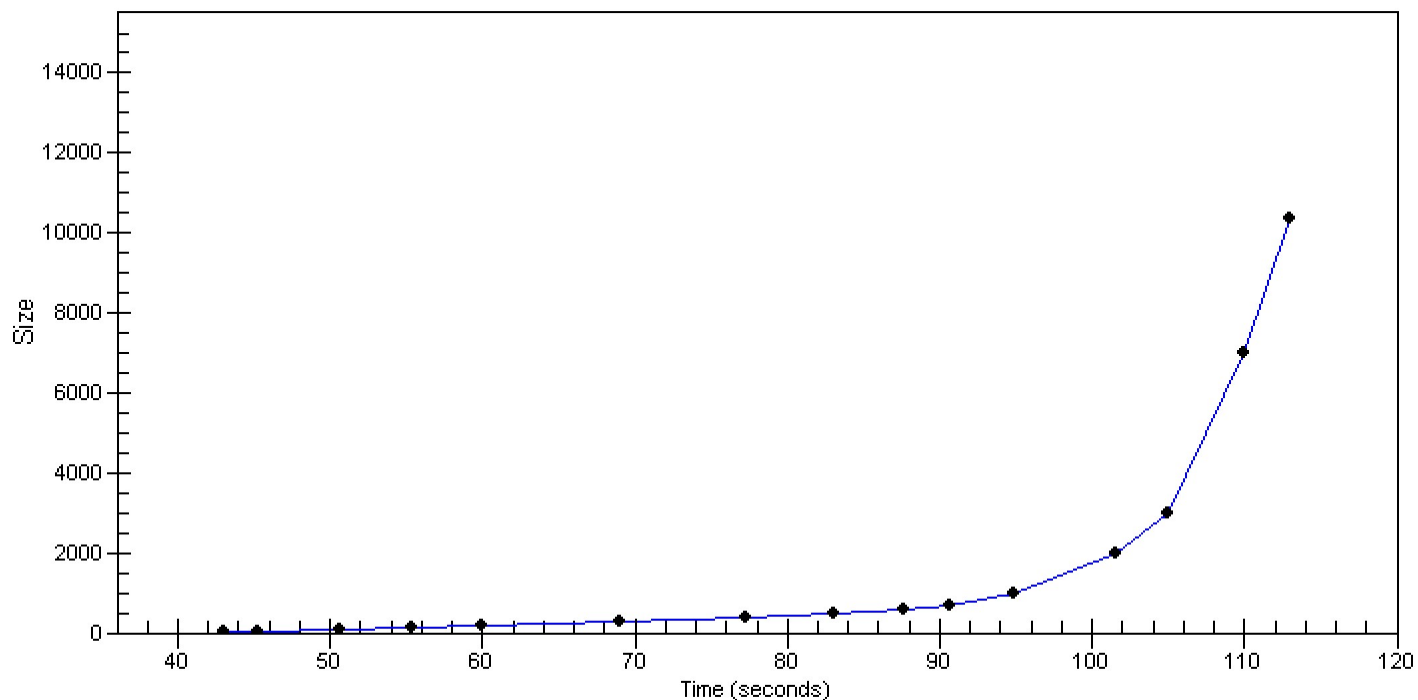


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad

Created: 11/6/2010 4:50:19 PM  
Modified: 3/27/2011 9:21:50 PM

**Curves**

**Standard Curve**



Assay Class: High Sensitivity DNA Assay Created: 11/6/2010 4:50:19 PM  
 Data Path: C:\...gh Sensitivity DNA Assay\_DE72901460\_2010-11-06\_16-50-18.xad Modified: 3/27/2011 9:21:50 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 6 (Number of wells acquired: 12)		Instrument	Run		11/6/2010 5:31:43 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Run started on port 6 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-11-06\2100 expert_High Sensitivity DNA Assay_DE72901460_2010-11-06_16-50-18.xad)		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Product Number : G2939A		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Name :		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Vendor : Agilent Technologies		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Serial# : DE72901460		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Firmware : C.01.069		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK
Cartridge : Electrode		Instrument	Run		11/6/2010 4:50:26 PM	(GMT --07:00) Pacific Standard Time	Alex	OMNIBOOK