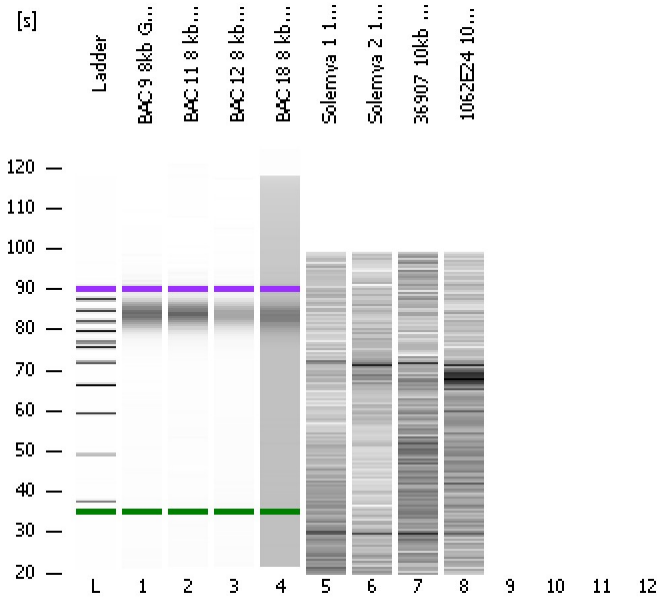


Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
Modified: 8/21/2012 9:37:40 AM

**Electrophoresis File Run Summary**



Instrument Information:

Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\DNA 12000 Series II.xsy

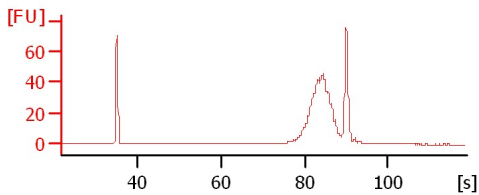
Assay Class: DNA 12000  
Version: 2.4  
Assay Comments: DNA Analysis 100 -12000 bp

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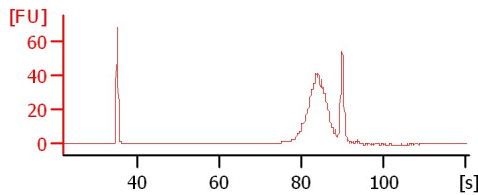
Chip Information:

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

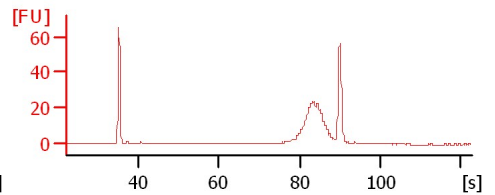
**BAC 9 8kb G-tube**



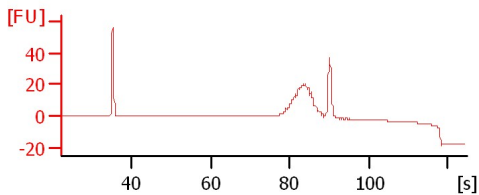
**BAC 11 8 kb G-tube**



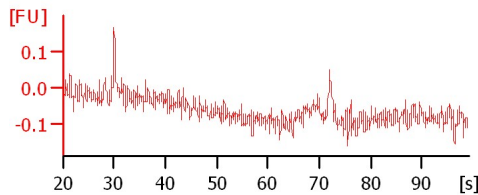
**BAC 12 8 kb G-tube**



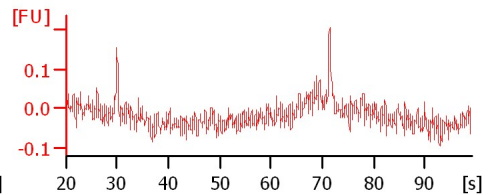
**BAC 18 8 kb G-tube**



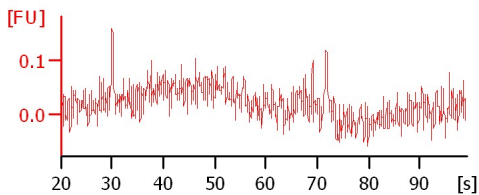
**Solemwa 1 10kb G-tube (1:6)**



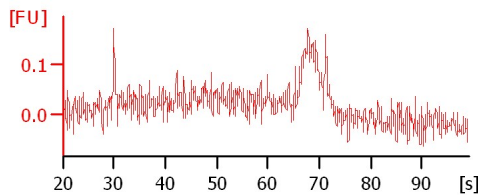
**Solemwa 2 10kb G-tube (1:6)**



**36907 10kb G-tube (1:6)**



**1062E24 10kb G-tube**



Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
 Modified: 8/21/2012 9:37:40 AM

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

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
BAC 9 8kb G-tube		<input type="checkbox"/>	✓			
BAC 11 8 kb G-tube		<input type="checkbox"/>	✓			
BAC 12 8 kb G-tube		<input type="checkbox"/>	✓			
BAC 18 8 kb G-tube		<input type="checkbox"/>	✓			
Solemya 1 10kb G-tube (1:6)		<input type="checkbox"/>	✓			
Solemya 2 10kb G-tube (1:6)		<input type="checkbox"/>	✓			
36907 10kb G-tube (1:6)		<input type="checkbox"/>	✓			
1062E24 10kb G-tube		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
Modified: 8/21/2012 9:37:40 AM

**Electrophoresis Assay Details**

**General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 20  
Maximum Visible Range [s] : 99  
Start Analysis Time Range [s] : 20  
End Analysis Time Range [s] : 98.95  
Ladder Concentration [ng/μl] : 44  
Uses Standard Area for Ladder Fragments  
Lower Marker Concentration [ng/μl] : 8.3  
Upper Marker Concentration [ng/μl] : 4.2  
Used Upper Marker for Quantitation  
This is a Qualitative Assay Only  
Standard Curve Fit is Point to Point  
Show Data Aligned to Lower and Upper Marker

**Integrator Settings**

Integration Start Time [s] : 20  
Integration End Time [s] : 98.95  
Slope Threshold : 0.8  
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

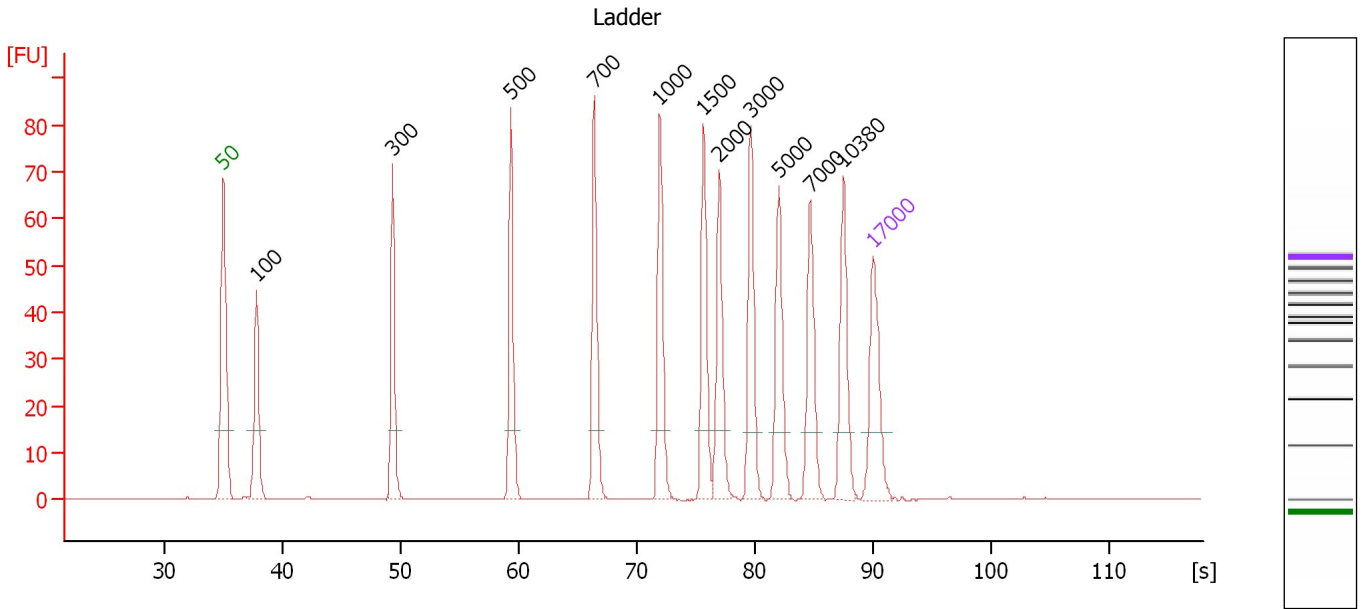
**Ladder**

Ladder Peak	Size	Area
1	50	120
2	100	48
3	300	61
4	500	77
5	700	81
6	1000	86
7	1500	92
8	2000	92
9	3000	96
10	5000	100
11	7000	98
12	10380	102
13	17000	110

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
 Modified: 8/21/2012 9:37:40 AM

**Electropherogram Summary**



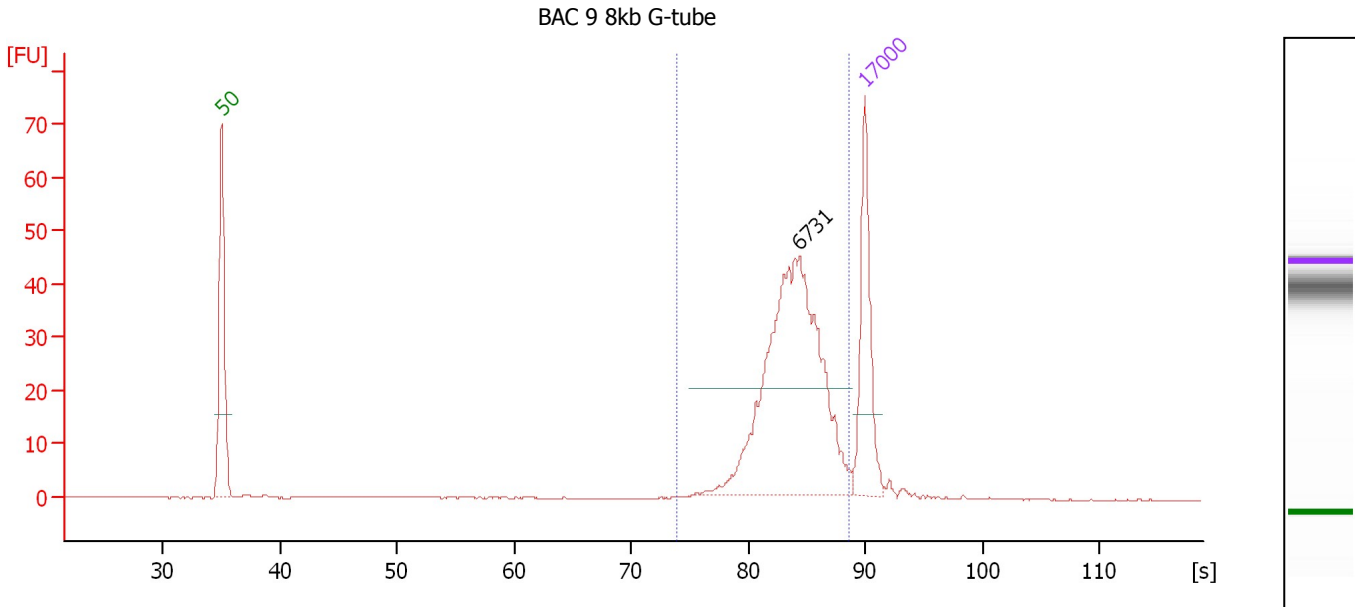
**Peak table for Ladder**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	Ladder Peak
10	5,000	4.00	1.2	Ladder Peak
11	7,000	4.00	0.9	Ladder Peak
12	10,380	4.00	0.6	Ladder Peak
13	17,000	4.20	0.4	Upper Marker

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
 Modified: 8/21/2012 9:37:40 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : BAC 9 8kb G-tube**

Number of peaks found: 1 Area: 207.0

**Peak table for sample 1 : BAC 9 8kb G-tube**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,731	15.73	3.5	
3	17,000	4.20	0.4	Upper Marker

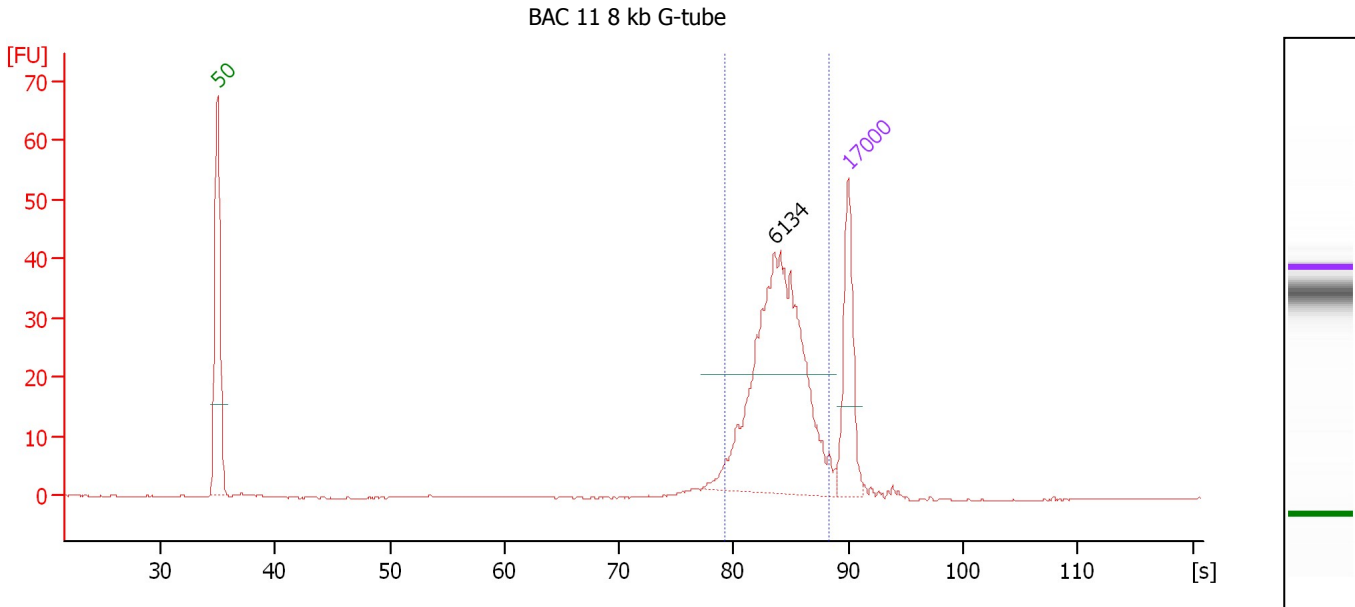
**Region table for sample 1 : BAC 9 8kb G-tube**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
1,260	13,528	6,480	16.27	207.0	96	32.8	Blue

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
 Modified: 8/21/2012 9:37:40 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : BAC 11 8 kb G-tube**

Number of peaks found: 1 Area 1: 164.4

**Peak table for sample 2 : BAC 11 8 kb G-tube**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	6,134	17.64	4.4	
3	17,000	4.20	0.4	Upper Marker

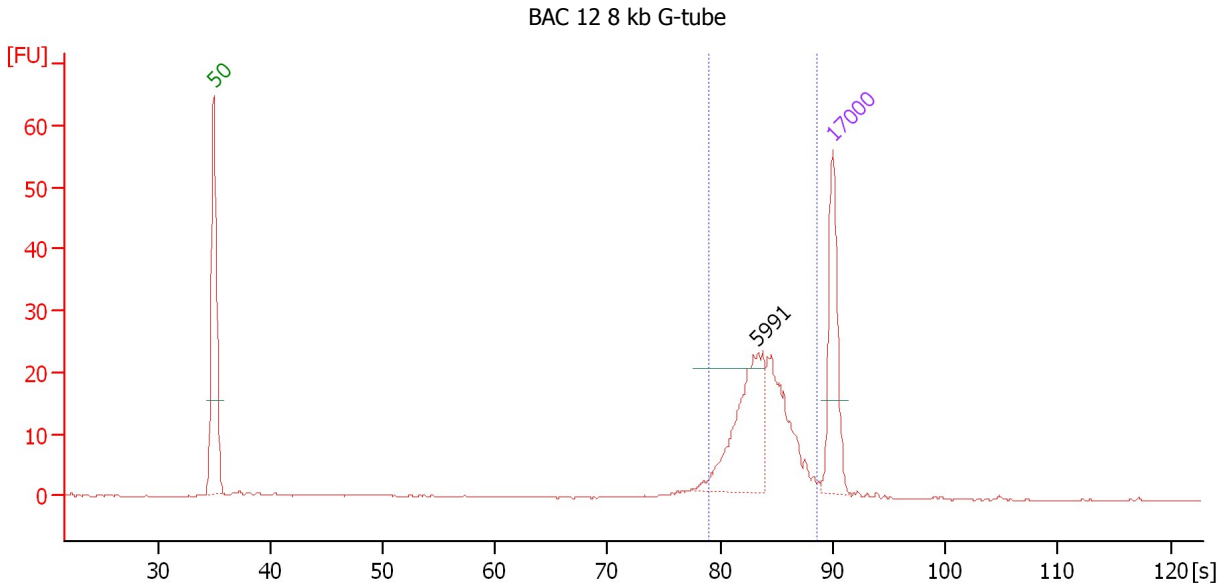
**Region table for sample 2 : BAC 11 8 kb G-tube**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,863	12,582	6,581	17.51	164.4	93	28.0	Blue

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
 Modified: 8/21/2012 9:37:40 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : BAC 12 8 kb G-tube**

Number of peaks found: 1 Area 1: 98.1

**Peak table for sample 3 : BAC 12 8 kb G-tube**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	5,991	5.46	1.4	
3	17,000	4.20	0.4	Upper Marker

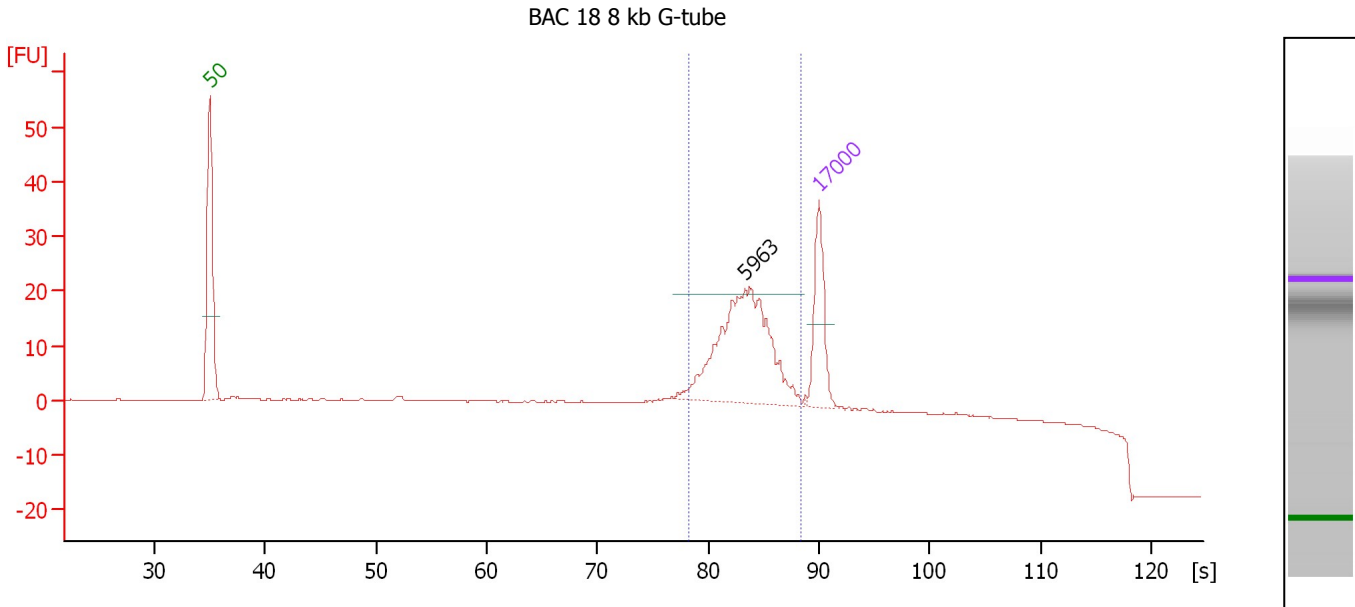
**Region table for sample 3 : BAC 12 8 kb G-tube**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,767	13,348	6,471	10.81	98.1	89	29.8	Blue

Assay Class: DNA 12000  
 Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
 Modified: 8/21/2012 9:37:40 AM

**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : BAC 18 8 kb G-tube**

Number of peaks found: 1                      Area 1: 92.7

**Peak table for sample 4 : BAC 18 8 kb G-tube**

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	5,963	13.08	3.3	
3	17,000	4.20	0.4	Upper Marker

**Region table for sample 4 : BAC 18 8 kb G-tube**

From [bp]	To [bp]	Average Size [bp]	Conc. [ng/μl]	Area	% of Total	Size distribution in CV [%]	Color
2,472	12,667	5,989	13.89	92.7	78	31.8	Blue



Assay Class: DNA 12000  
Data Path: C:\...ents and Settings\Bioanalyzer\2012-08-21\2012-08-21\_001.xad

Created: 8/21/2012 8:29:38 AM  
Modified: 8/21/2012 9:37:40 AM

**Gel Image**

