

Assay Class: DNA 12000
Data Path: C:\...bioanalyzer\2100 expert\data\2019-09-26\2019-09-26_12kb.xad

Created: 9/26/2019 2:41:23 PM
Modified: 9/27/2019 9:37:10 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701287 Firmware: C.01.069
Serial#: DE13701287 Type: G2938B

Assay Information:

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

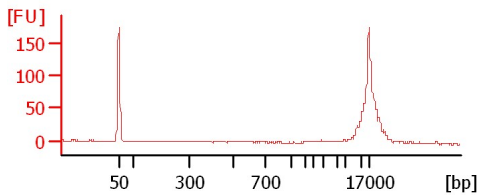
Assay Class: DNA 12000
Version: 2.4
Assay Comments: DNA Analysis 100 -12000 bp

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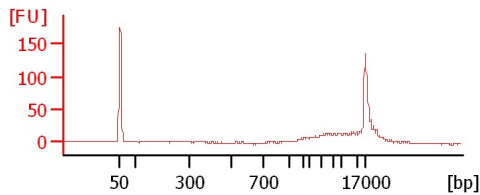
Chip Information:

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

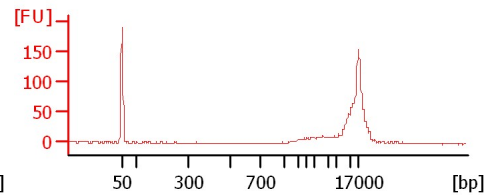
HGTR3_Megaruptor_15kb+5p



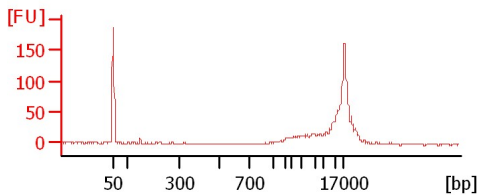
HGTR3-P2(1)_Megaruptor_30kb+5p



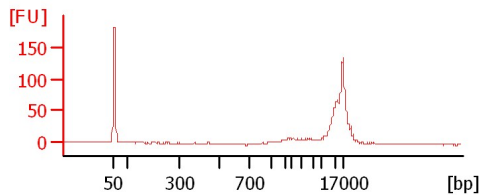
HGTR3-P17(1)_Megaruptor_30kb+5p



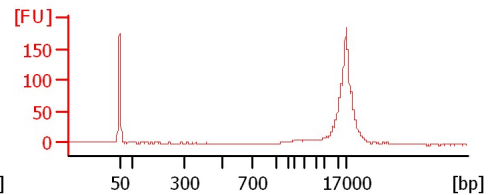
HGTR3-P17(3)_Megaruptor_30kb+5p



HGTR16_Megaruptor_15kb+5p



HGT24_Megaruptor_15kb+5p



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HGTR3_Megaruptor_15kb+5p		<input type="checkbox"/>	✓			
HGTR3-P2(1)_Megaruptor_30kb+5p		<input type="checkbox"/>	✓			
HGTR3-P17(1)_Megaruptor_30kb+5p		<input type="checkbox"/>	✓			
HGTR3-P17(3)_Megaruptor_30kb+5p		<input type="checkbox"/>	✓			
HGTR16_Megaruptor_15kb+5p		<input type="checkbox"/>	✓			
HGT24_Megaruptor_15kb+5p		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

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

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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

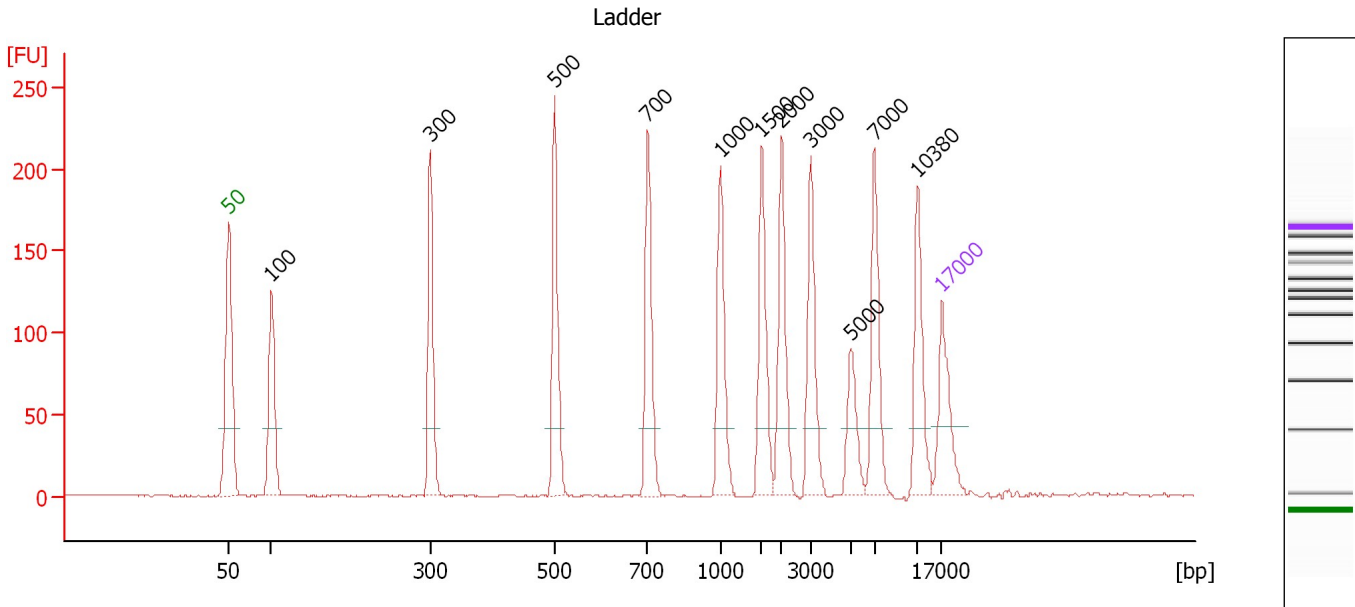
Ladder

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

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Electropherogram Summary



Peak table for Ladder

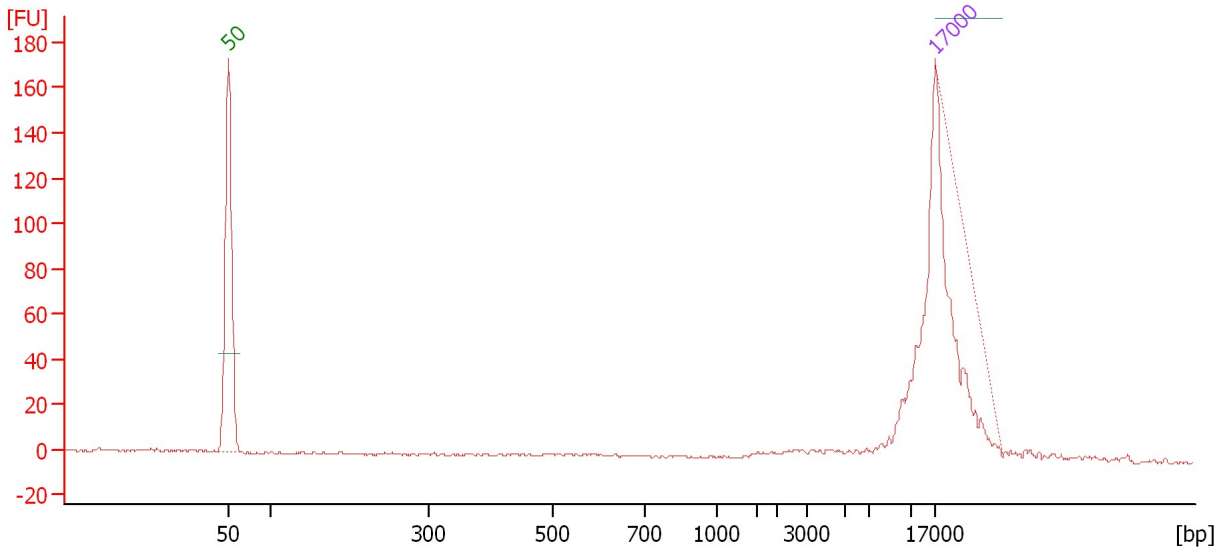
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	100	4.00	60.6	Ladder Peak
3	300	4.00	20.2	Ladder Peak
4	500	4.00	12.1	Ladder Peak
5	700	4.00	8.7	Ladder Peak
6	1,000	4.00	6.1	Ladder Peak
7	1,500	4.00	4.0	Ladder Peak
8	2,000	4.00	3.0	Ladder Peak
9	3,000	4.00	2.0	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

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Electropherogram Summary Continued ...

HGTR3_Megaruptor_15kb+5p



Overall Results for sample 1 : HGTR3 Megaruptor 15kb+5p

Number of peaks found: 0

Peak table for sample 1 : HGTR3 Megaruptor 15kb+5p

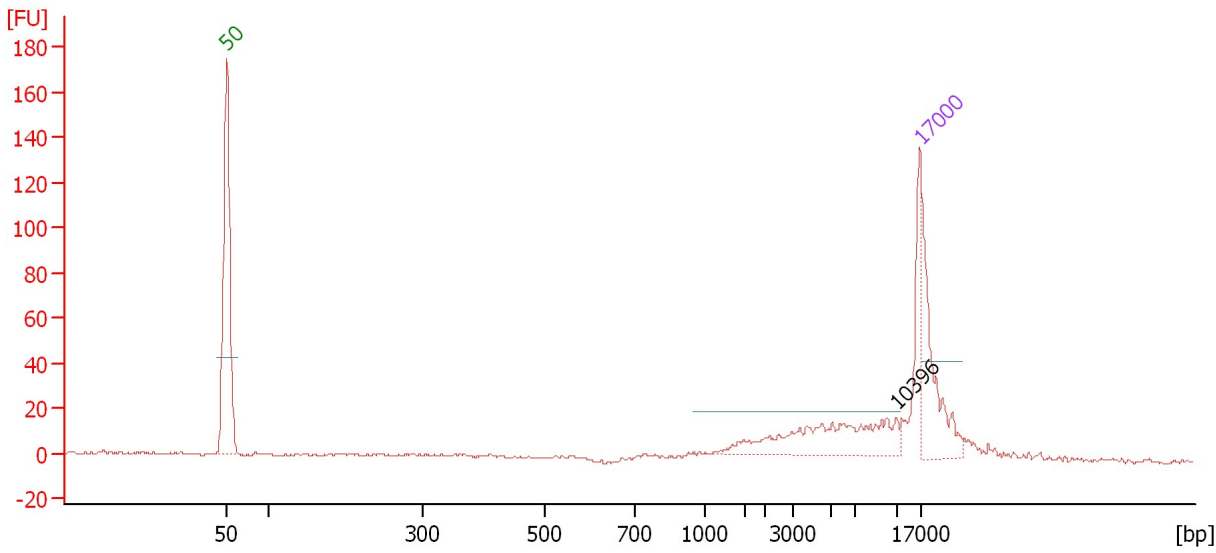
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	17,000	4.20	0.4	Upper Marker

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Electropherogram Summary Continued ...

HGTR3-P2(1)_Megaruptor_30kb+5p



Overall Results for sample 3 : HGTR3-P2(1) Megaruptor 30kb+5p

Number of peaks found: 1

Peak table for sample 3 : HGTR3-P2(1) Megaruptor 30kb+5p

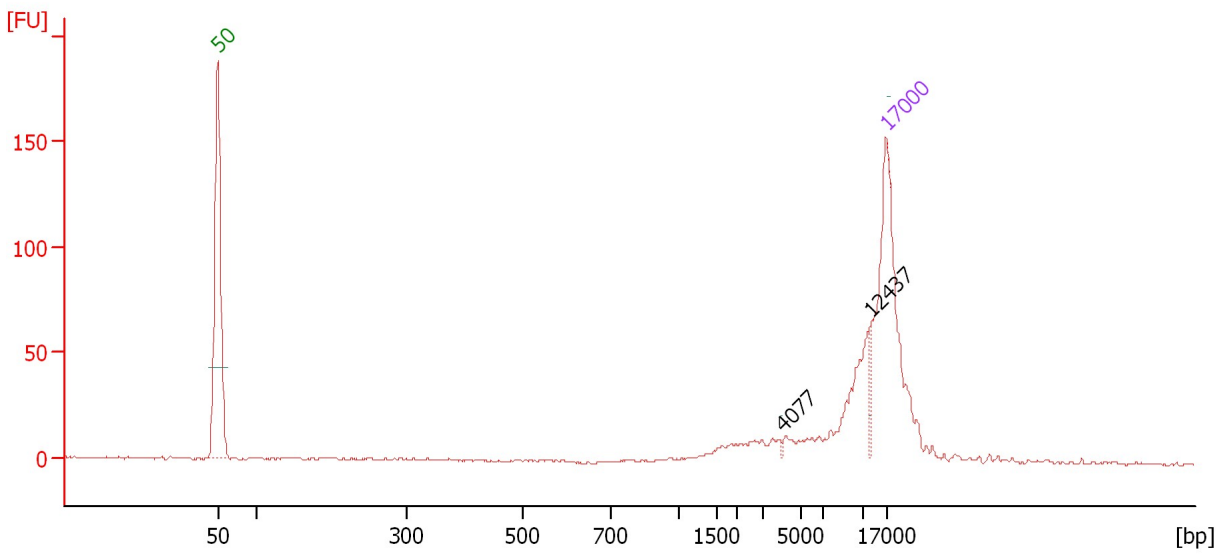
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	10,396	4.80	0.7	
3	17,000	4.20	0.4	Upper Marker

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Electropherogram Summary Continued ...

HGTR3-P17(1)_Megaruptor_30kb+5p



Overall Results for sample 5 : HGTR3-P17(1) Megaruptor 30kb+5p

Number of peaks found: 2

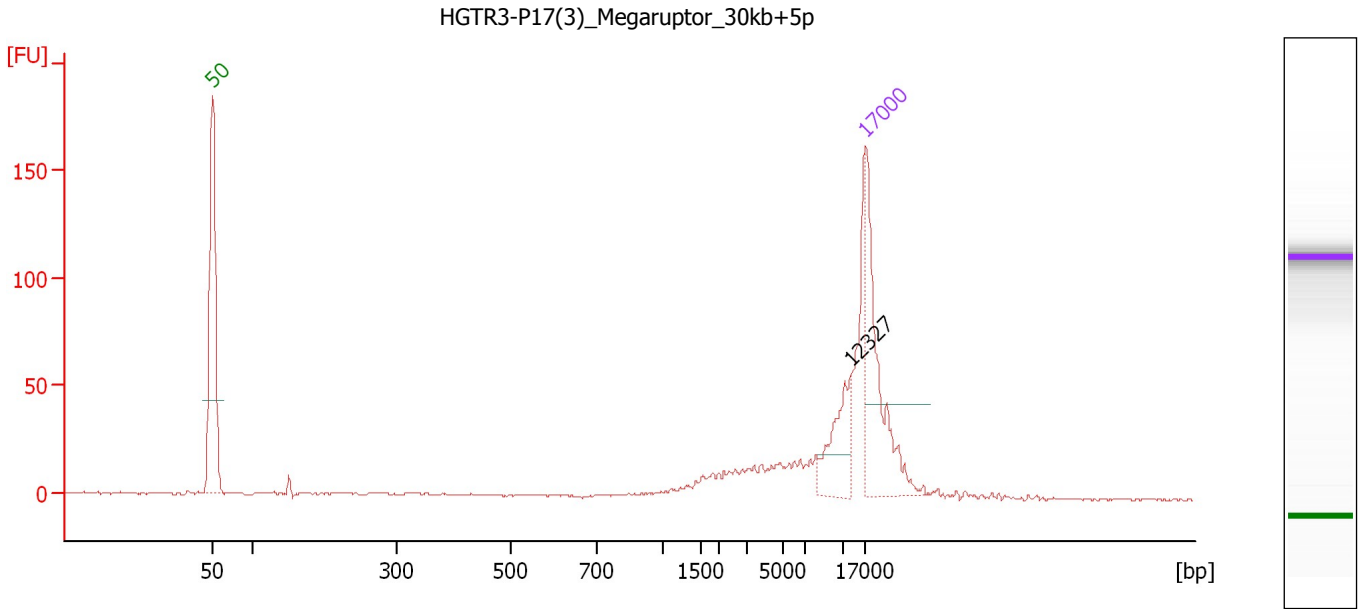
Peak table for sample 5 : HGTR3-P17(1) Megaruptor 30kb+5p

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	4,077	29.59	11.0	
3	12,437	247.16	30.1	
4	17,000	4.20	0.4	Upper Marker

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Electropherogram Summary Continued ...



Overall Results for sample 7 : HGTR3-P17(3) Megaruptor 30kb+5p

Number of peaks found: 1

Peak table for sample 7 : HGTR3-P17(3) Megaruptor 30kb+5p

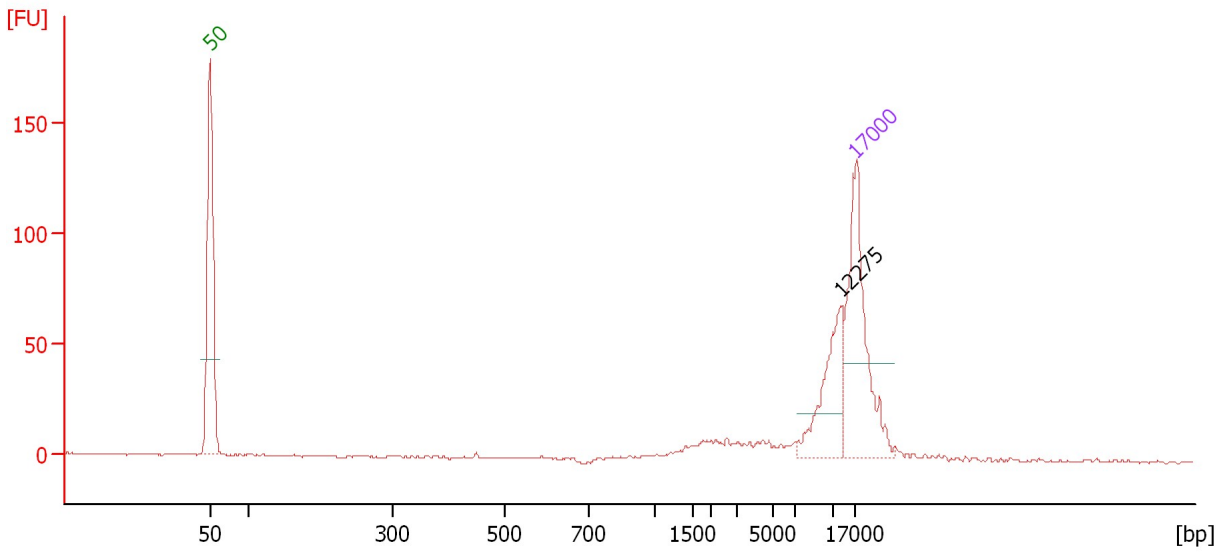
Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	12,327	2.18	0.3	
3	17,000	4.20	0.4	Upper Marker

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Electropherogram Summary Continued ...

HGTR16_Megaruptor_15kb+5p



Overall Results for sample 9 : HGTR16 Megaruptor 15kb+5p

Number of peaks found: 1

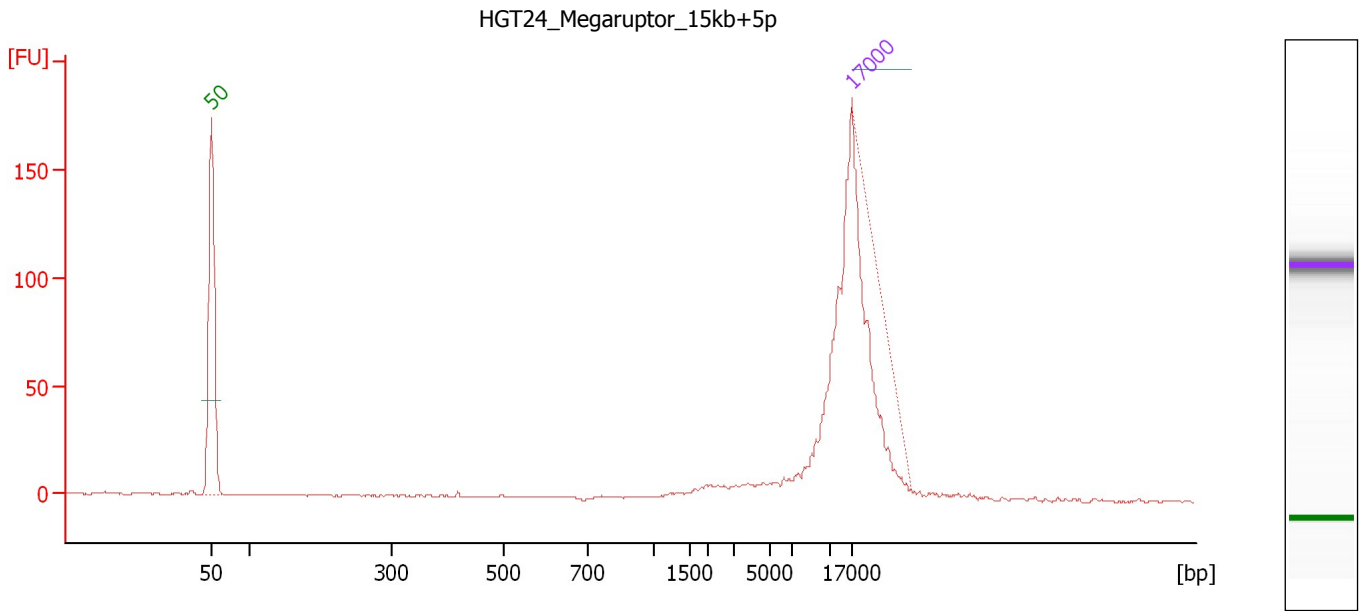
Peak table for sample 9 : HGTR16 Megaruptor 15kb+5p

Peak	Size [bp]	Conc. [ng/μl]	Molarity [nmol/l]	Observations
1	50	8.30	251.5	Lower Marker
2	12,275	2.34	0.3	
3	17,000	4.20	0.4	Upper Marker

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Electropherogram Summary Continued ...



Overall Results for sample 11 : HGT24 Megaruptor 15kb+5p

Number of peaks found: 0

Peak table for sample 11 : HGT24 Megaruptor 15kb+5p

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

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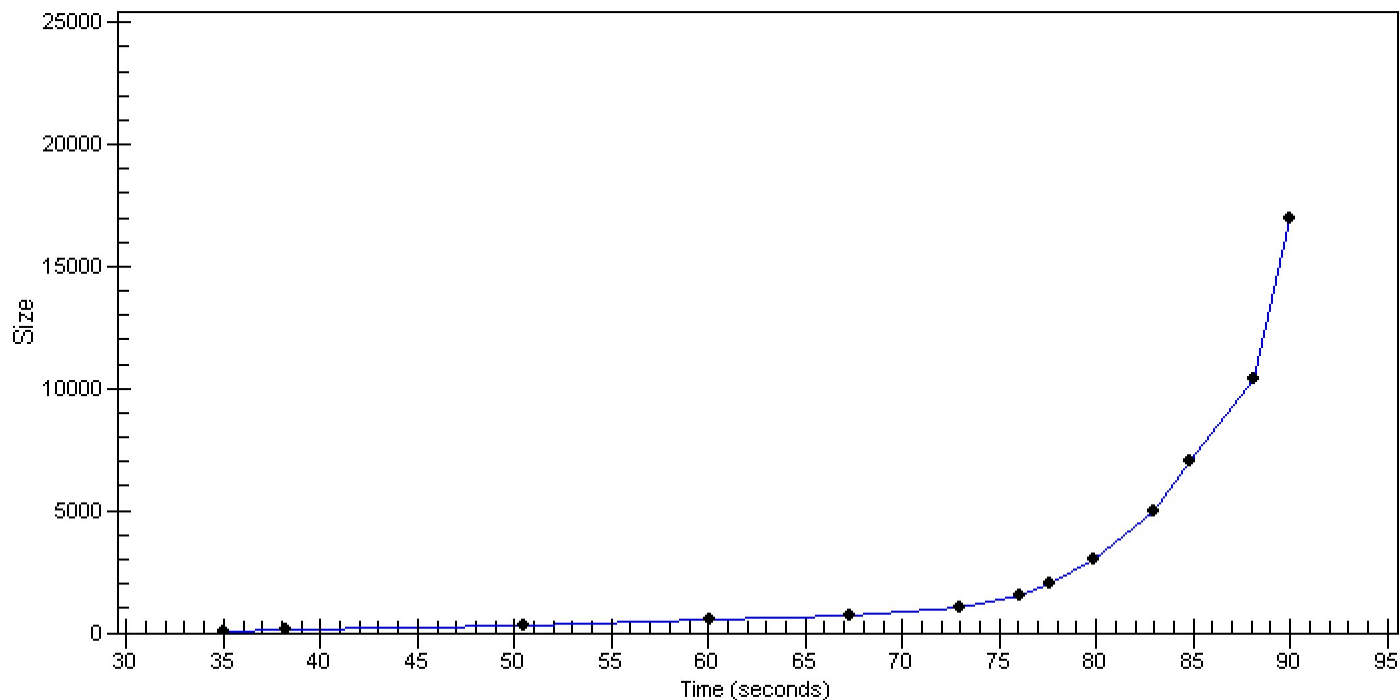
Gel Image

Assay Class: DNA 12000
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Curves

Standard Curve



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Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		9/26/2019 3:14:47 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2019-09-26\DNA 12000_2019-09-26_001.xad)		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Product Number : G2938B		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Name :		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Vendor : Agilent Technologies		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Serial# : DE13701287		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Firmware : C.01.069		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS
Cartridge : Electrode		Instrument	Run		9/26/2019 2:41:29 PM	(GMT --07:00) Pacific Standard Time	User	ORGINIZA-7LCR CS