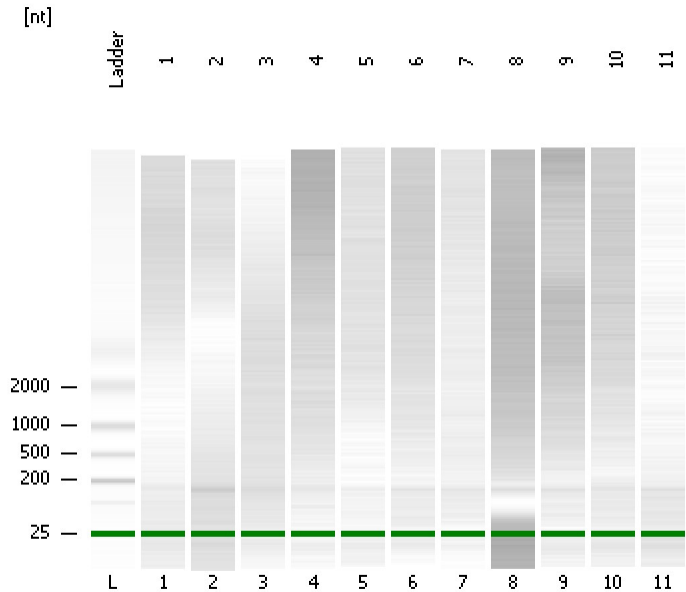


Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

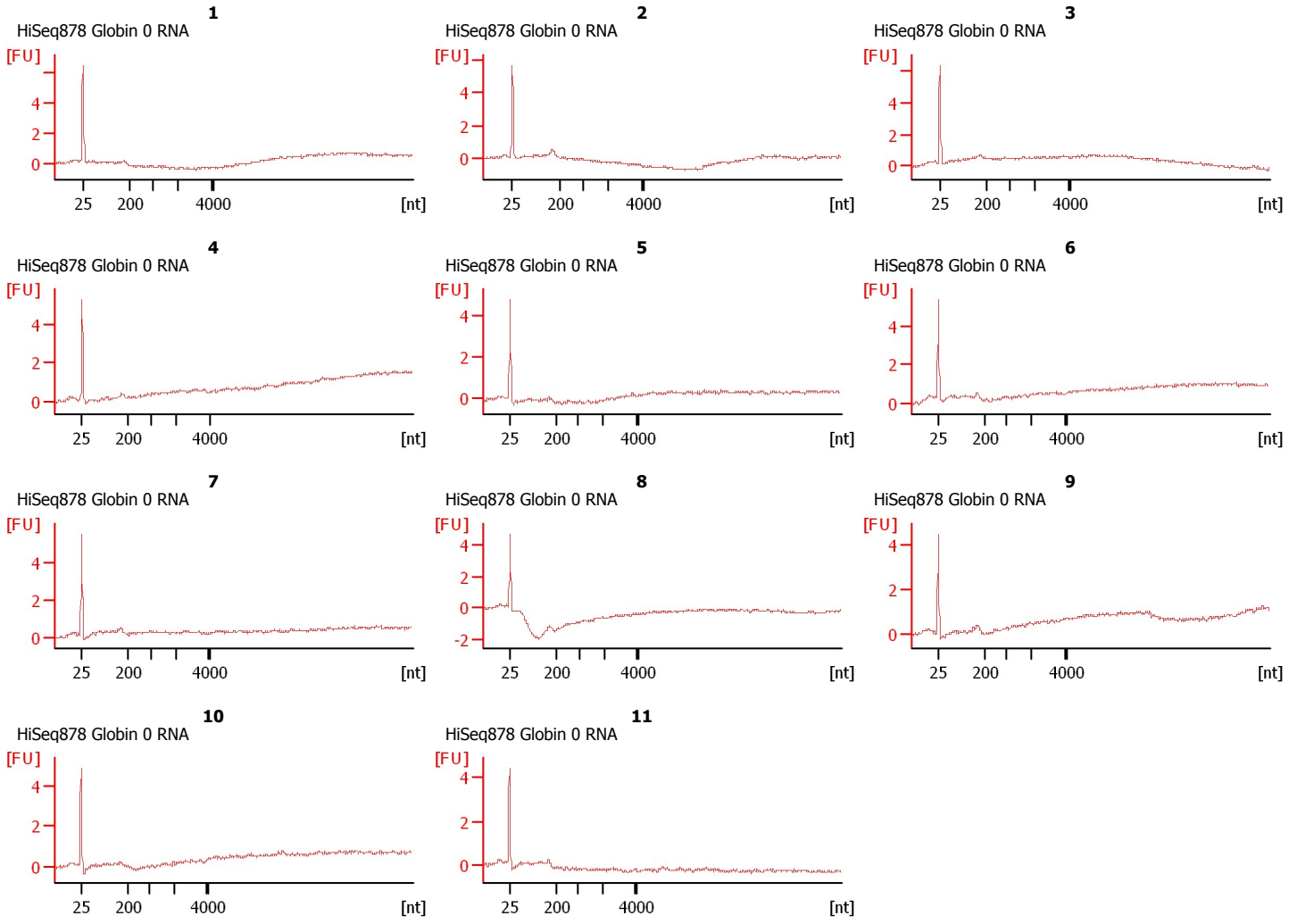
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

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



Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1	HiSeq878 Globin 0 RNA	✓		
2	HiSeq878 Globin 0 RNA	✓		
3	HiSeq878 Globin 0 RNA	✓		
4	HiSeq878 Globin 0 RNA	✓		
5	HiSeq878 Globin 0 RNA	✓		
6	HiSeq878 Globin 0 RNA	✓		
7	HiSeq878 Globin 0 RNA	✓		
8	HiSeq878 Globin 0 RNA	✓		
9	HiSeq878 Globin 0 RNA	✓		
10	HiSeq878 Globin 0 RNA	✓		
11	HiSeq878 Globin 0 RNA	✓		
Ladder		✓		

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

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 14
Maximum Visible Range [s] : 85
Start Analysis Time Range [s] : 15
End Analysis Time Range [s] : 84
Ladder Concentration [pg/ μ l] : 1000
Lower Marker Concentration [pg/ μ l] : 0
Upper Marker Concentration [pg/ μ l] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 15
Integration End Time [s] : 84
Slope Threshold : 0.2
Height Threshold [FU] : 0.5
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

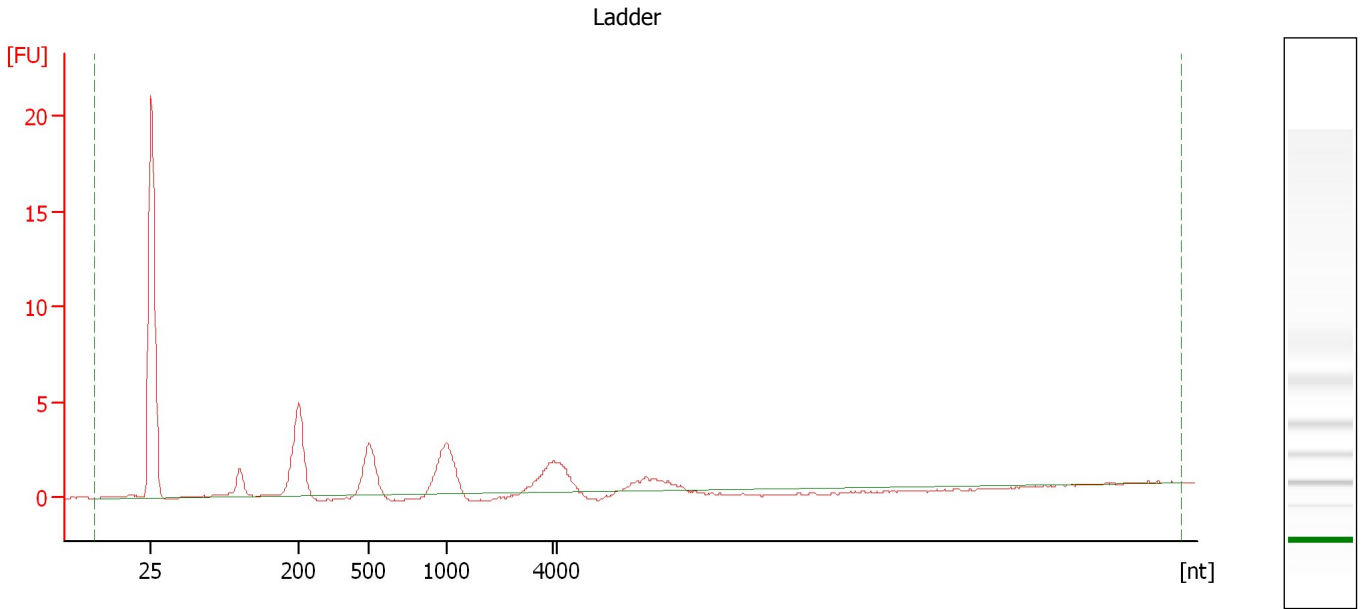
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary



Overall Results for Ladder

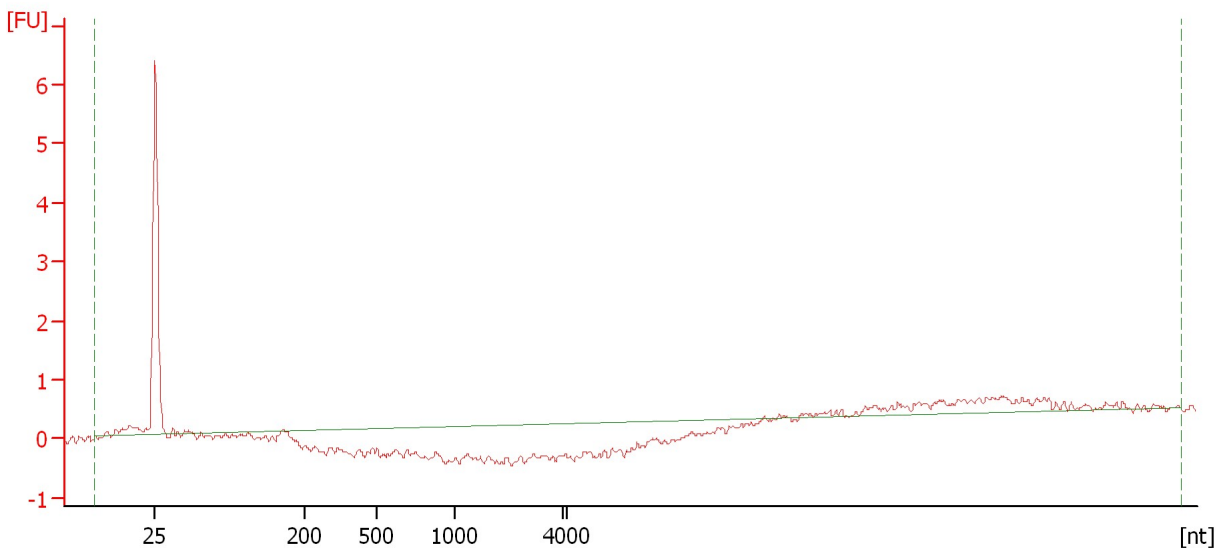
RNA Area: 47.5 RNA Concentration: 1,000 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

1 [HiSeq878 Globin 0 RNA]



Overall Results for sample 1 : 1

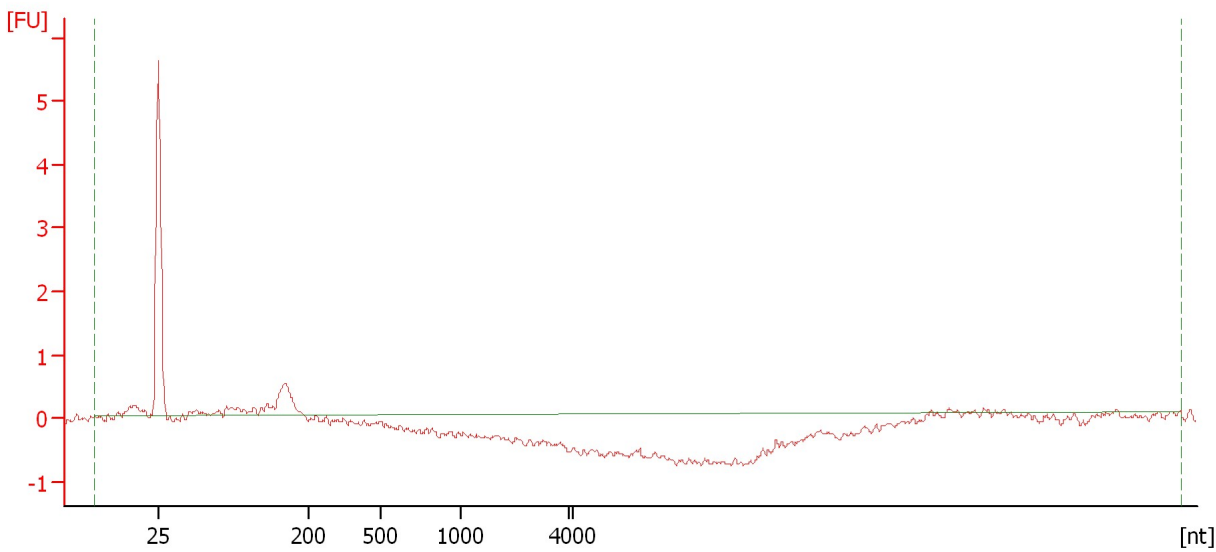
RNA Area:	4.6	rRNA Contamination:	0.0 %
RNA Concentration:	96 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

2 [HiSeq878 Globin 0 RNA]



Overall Results for sample 2 : 2

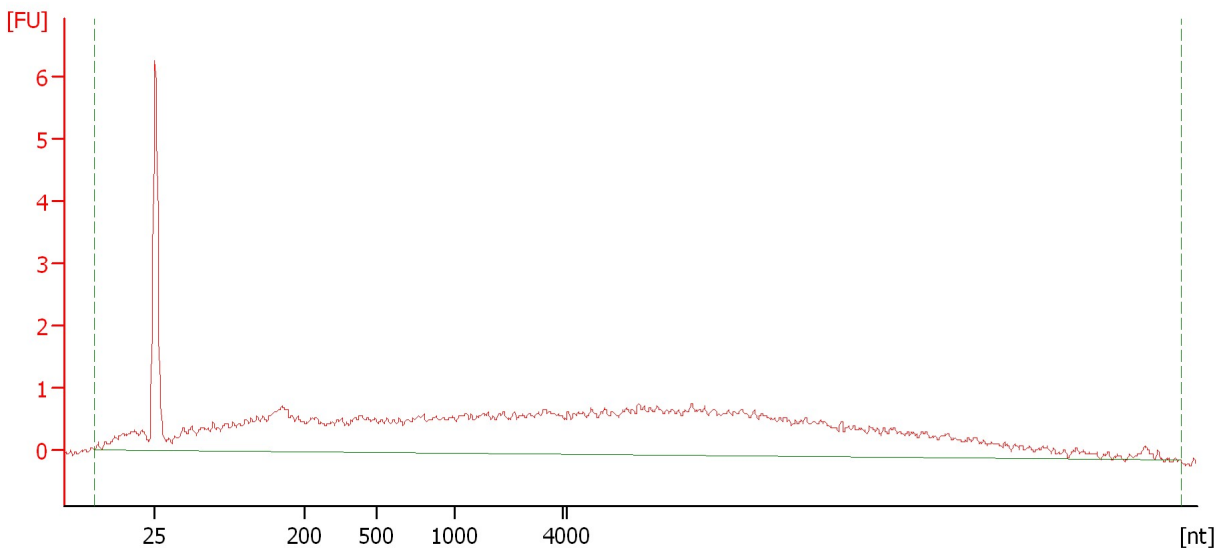
RNA Area: 4.7 rRNA Contamination: 0.0 %
RNA Concentration: 99 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

3 [HiSeq878 Globin 0 RNA]



Overall Results for sample 3 : 3

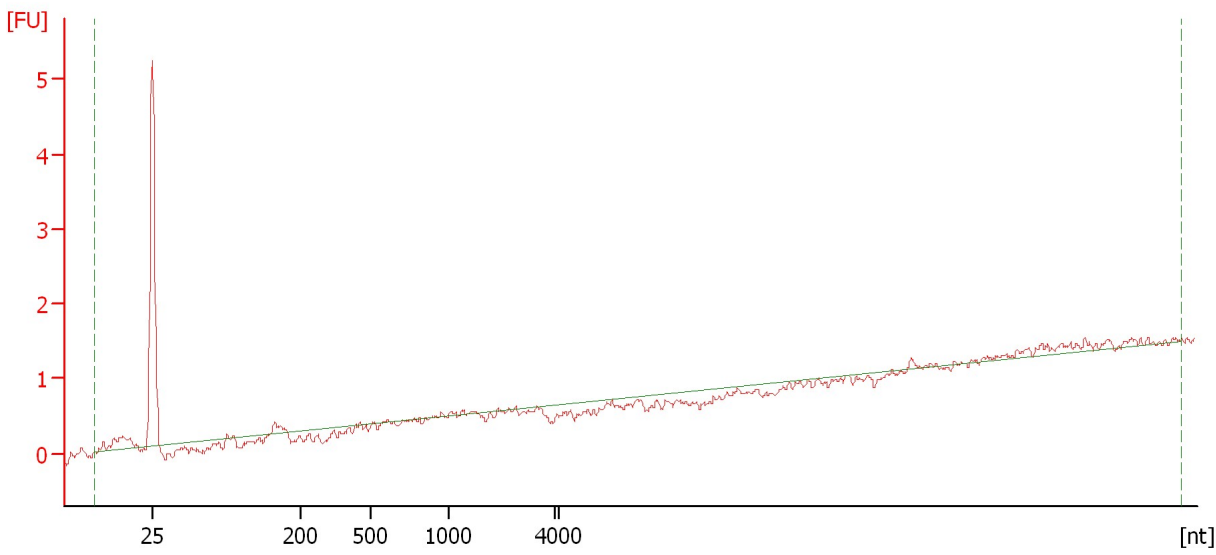
RNA Area: 70.2 rRNA Contamination: 0.0 %
RNA Concentration: 1,479 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

4 [HiSeq878 Globin 0 RNA]



Overall Results for sample 4 : 4

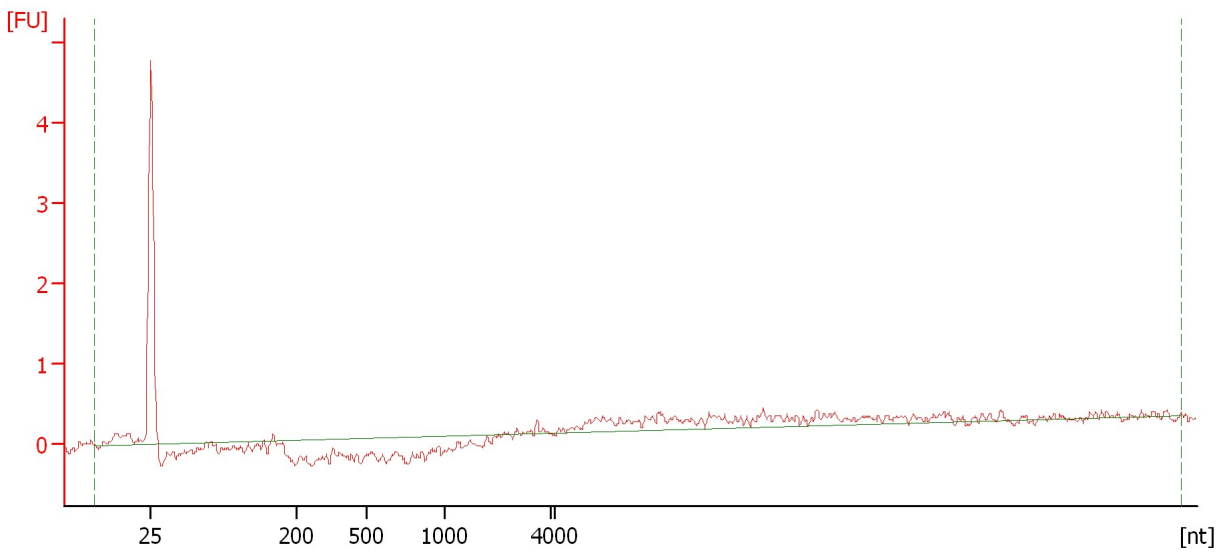
RNA Area: 3.1 rRNA Contamination: 0.0 %
RNA Concentration: 66 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

5 [HiSeq878 Globin 0 RNA]



Overall Results for sample 5 : 5

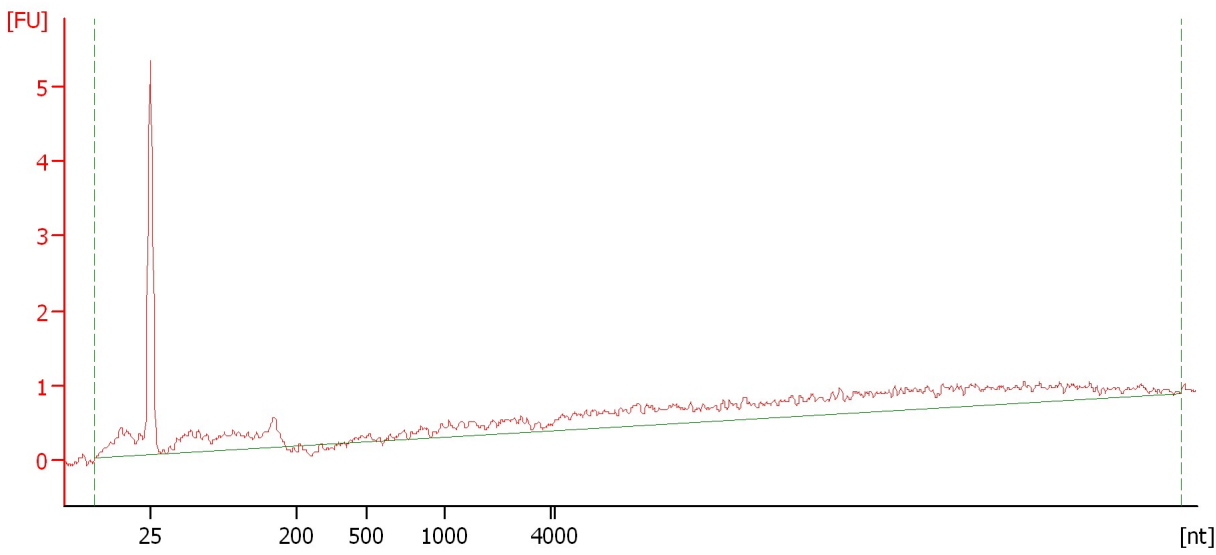
RNA Area: 5.7 rRNA Contamination: 0.0 %
RNA Concentration: 120 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

6 [HiSeq878 Globin 0 RNA]



Overall Results for sample 6 : 6

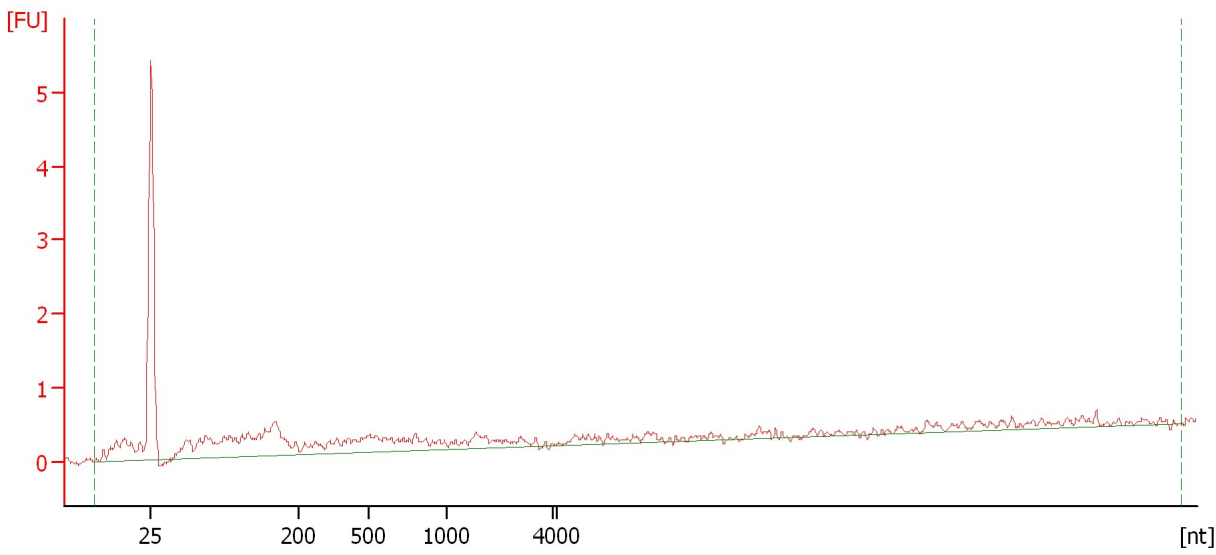
RNA Area:	26.0	rRNA Contamination:	0.0 %
RNA Concentration:	548 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

7 [HiSeq878 Globin 0 RNA]



Overall Results for sample 7 : 7

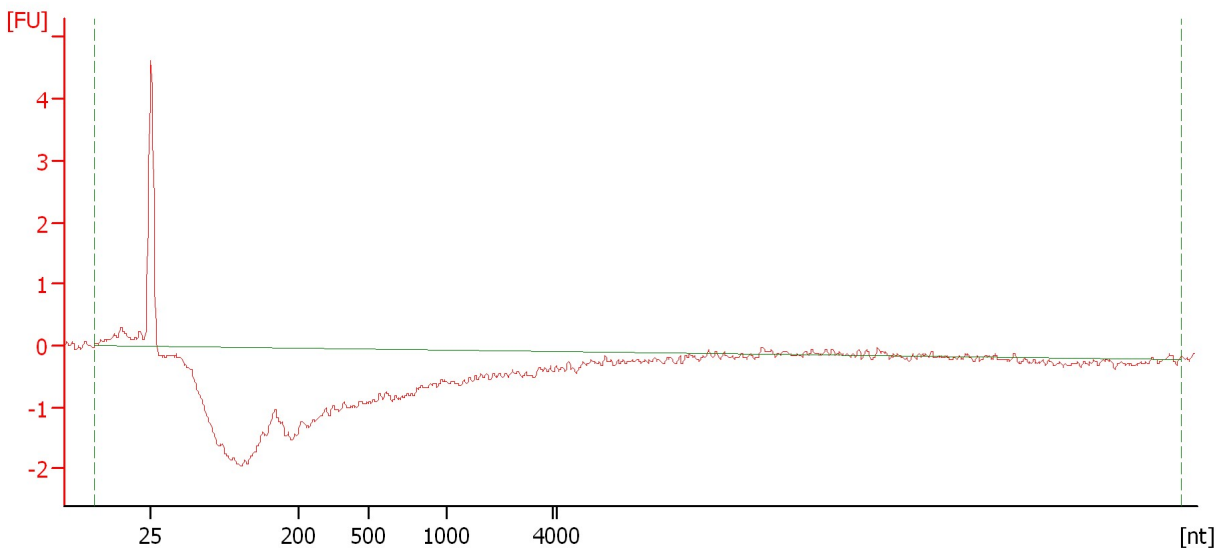
RNA Area:	19.6	rRNA Contamination:	0.0 %
RNA Concentration:	413 pg/μl		

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

8 [HiSeq878 Globin 0 RNA]



Overall Results for sample 8 : 8

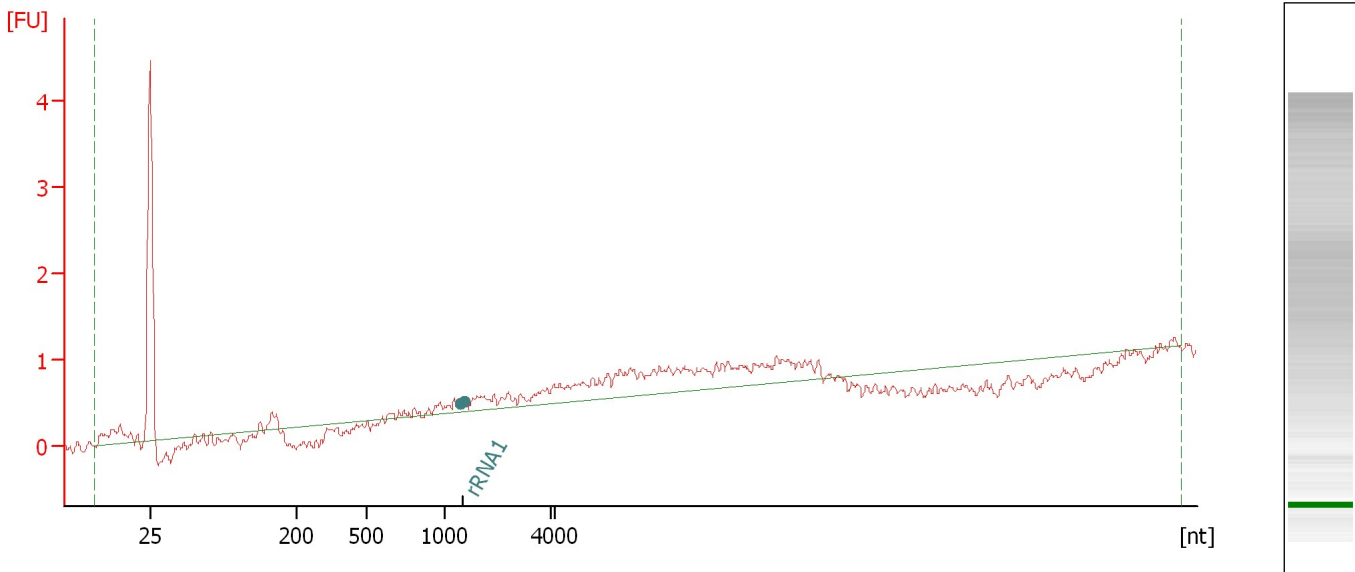
RNA Area: 2.8 rRNA Contamination: 0.0 %
RNA Concentration: 59 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

9 [HiSeq878 Globin 0 RNA]



Overall Results for sample 9 : 9

RNA Area: 11.3 rRNA Contamination: 0.2 %
RNA Concentration: 239 pg/μl

Fragment table for sample 9 : 9

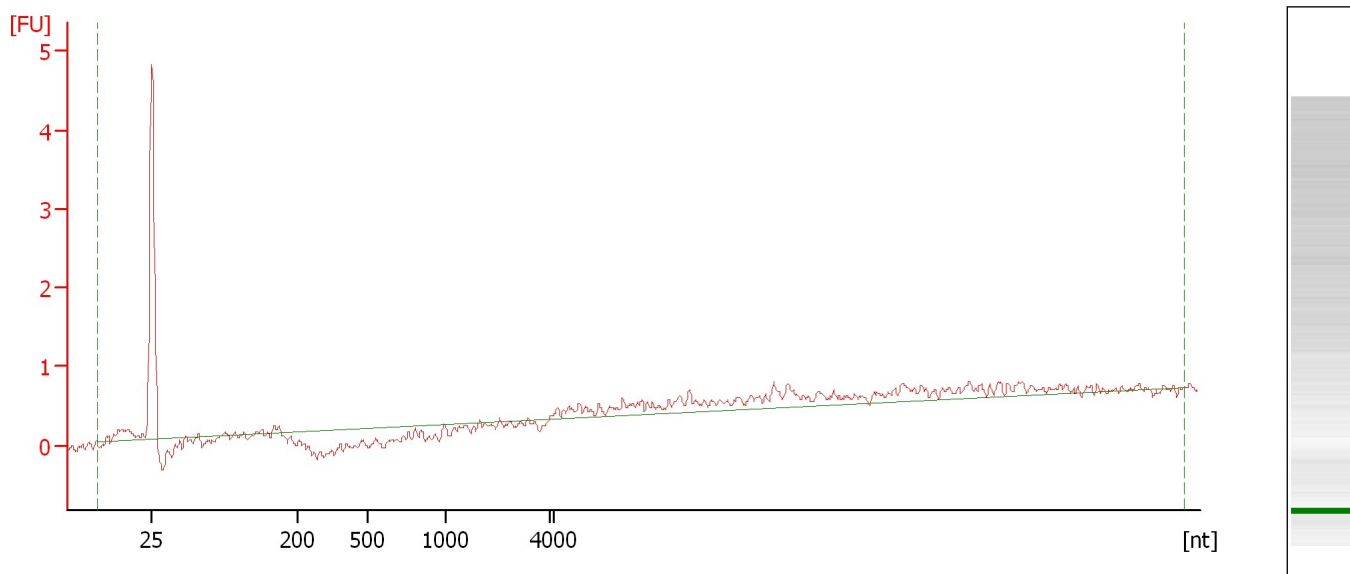
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,150	1,188	0.0	0.2

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

10 [HiSeq878 Globin 0 RNA]



Overall Results for sample 10 : 10

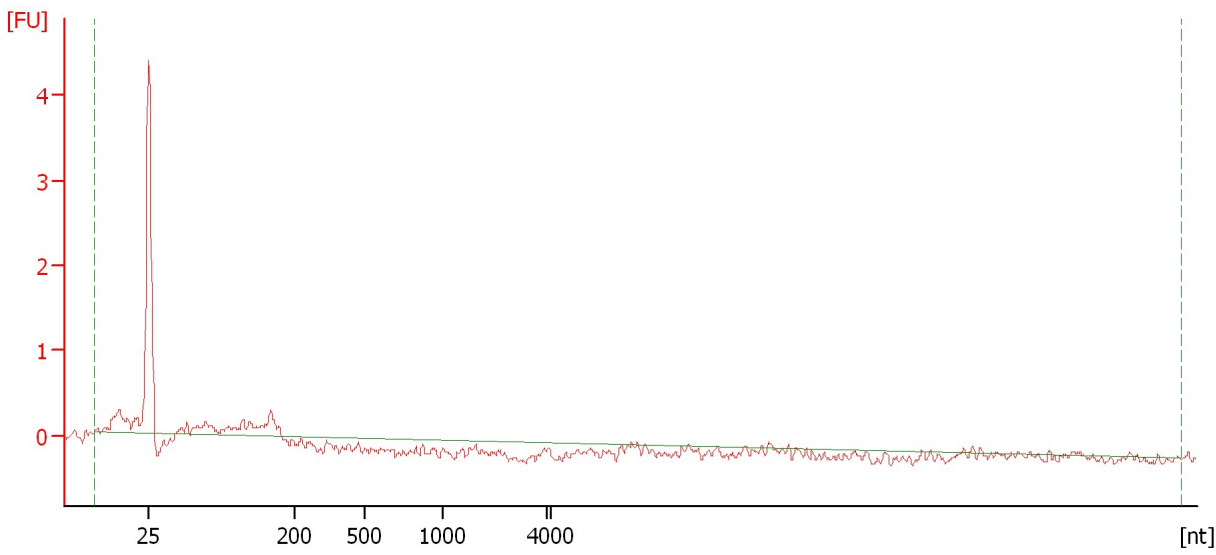
RNA Area: 7.9 rRNA Contamination: 0.0 %
RNA Concentration: 166 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Electropherogram Summary Continued ...

11 [HiSeq878 Globin 0 RNA]



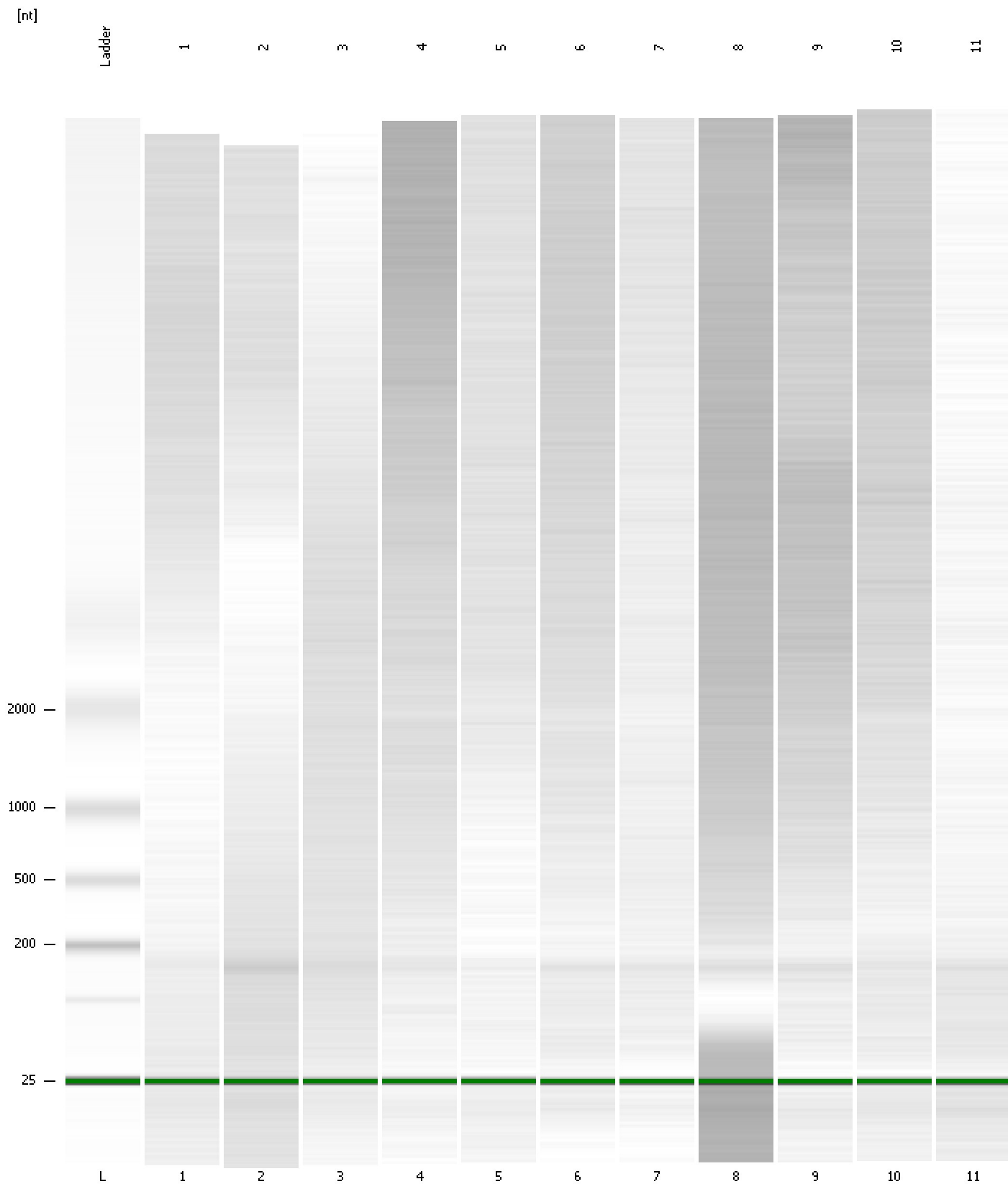
Overall Results for sample 11 : 11

RNA Area: 4.7 rRNA Contamination: 0.0 %
RNA Concentration: 100 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
Modified: 4/6/2017 11:47:26 AM

Gel Image



Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad

Created: 4/6/2017 11:21:33 AM
 Modified: 4/6/2017 11:47:26 AM

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		4/6/2017 11:47:25 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2017-04-06\2017-04-06_002.xad)		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/6/2017 11:21:38 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1