

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-03-24\2017-03-24_001.xad

Created: 3/24/2017 9:59:12 AM
Modified: 3/24/2017 10:13:21 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

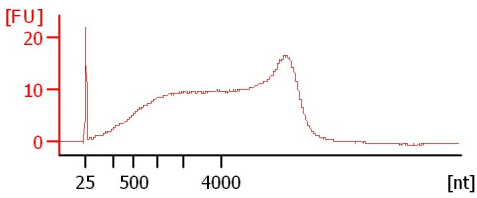
Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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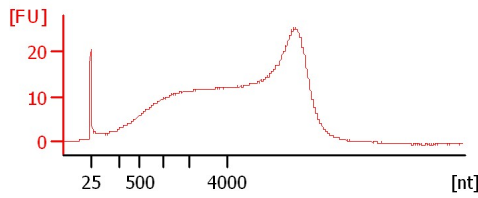
Chip Information:

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

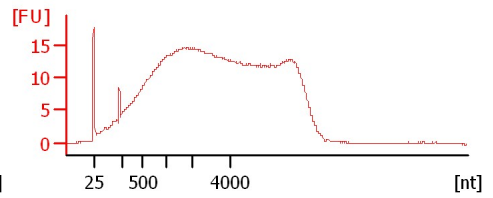
1. Day 0



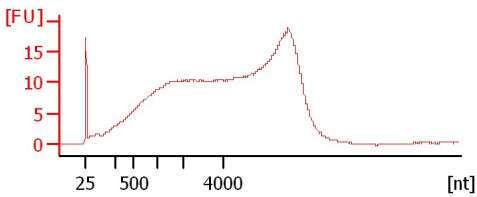
11. 6Hr T



12. 12Hr T



13. 24 Hr T



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. Day 0		✓		
11. 6Hr T		✓		
12. 12Hr T		✓		
13. 24 Hr T		✓		
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓		

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.) : 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

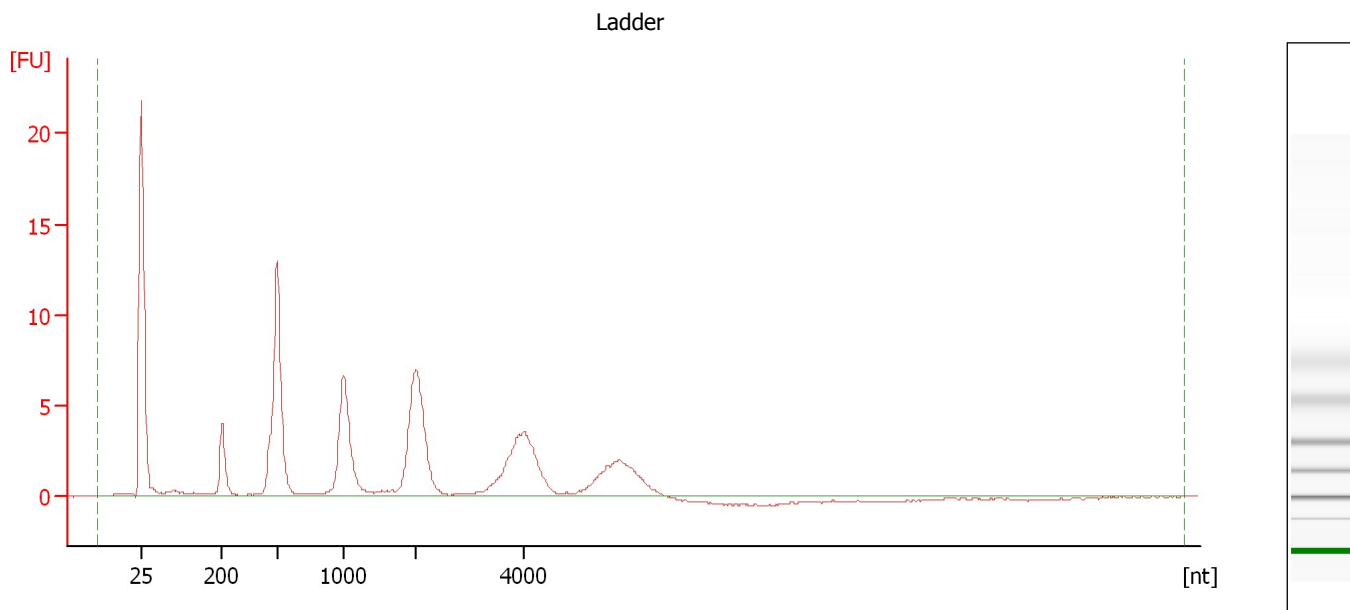
Ladder

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

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Electropherogram Summary



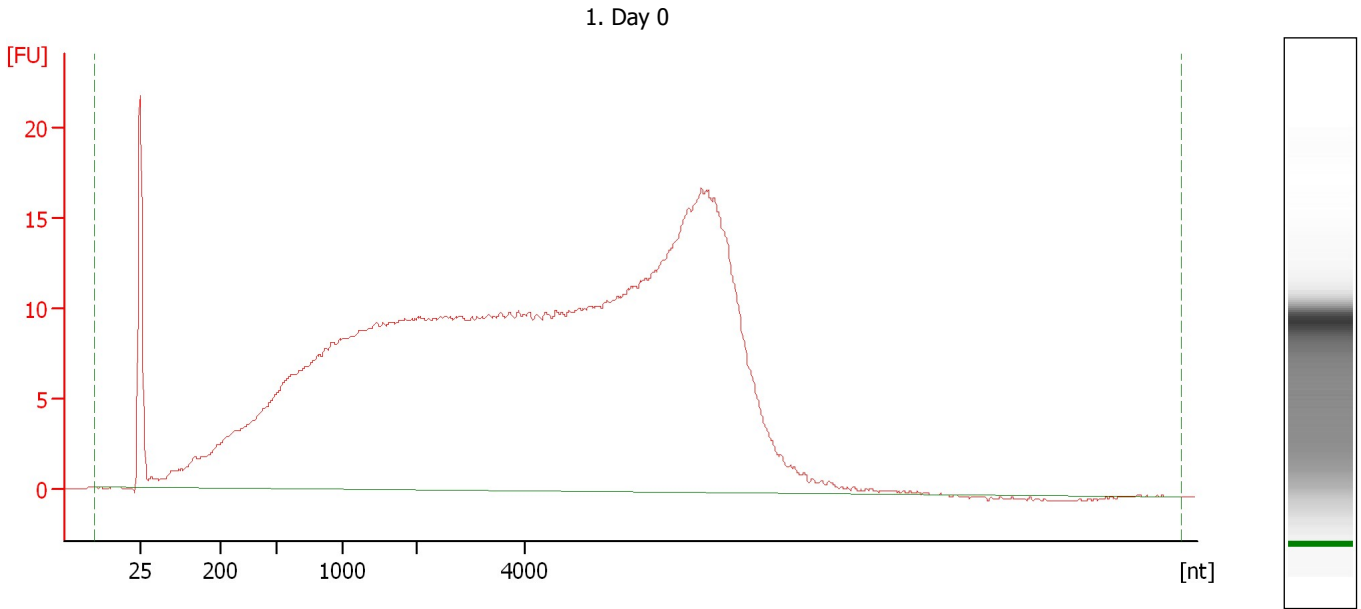
Overall Results for Ladder

RNA Area: 108.7 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...



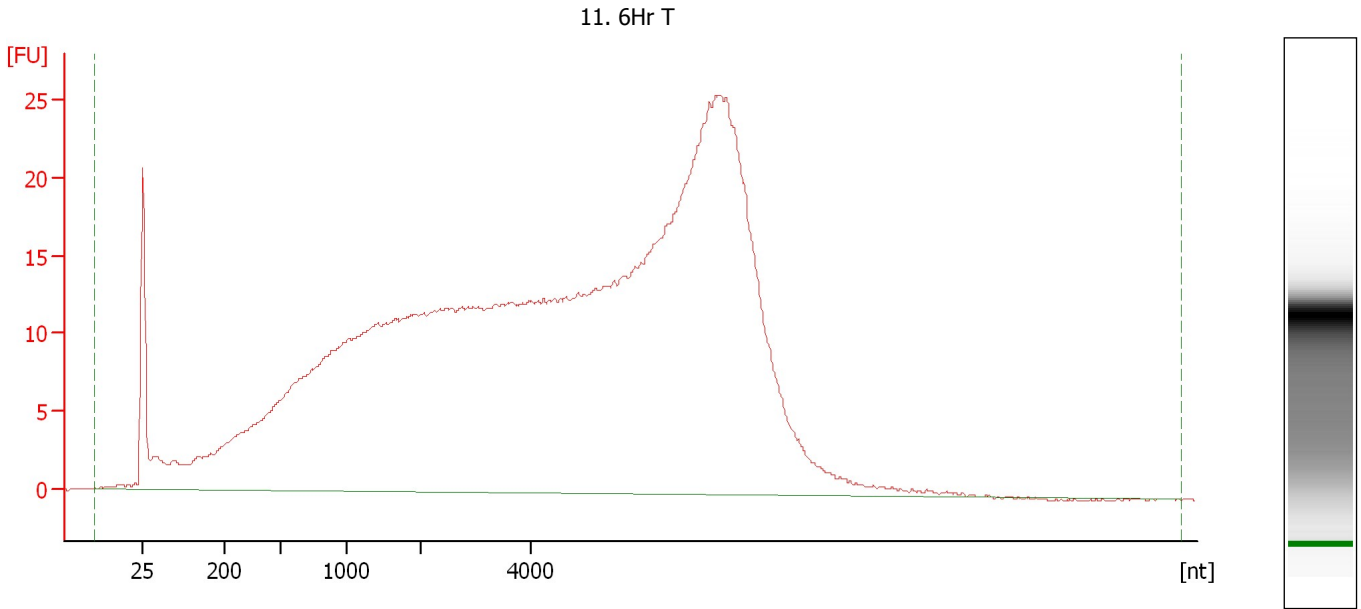
Overall Results for sample 1 : 1. Day 0

RNA Area:	816.0	rRNA Contamination:	0.0 %
RNA Concentration:	7,504 pg/ μ l		

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Electropherogram Summary Continued ...



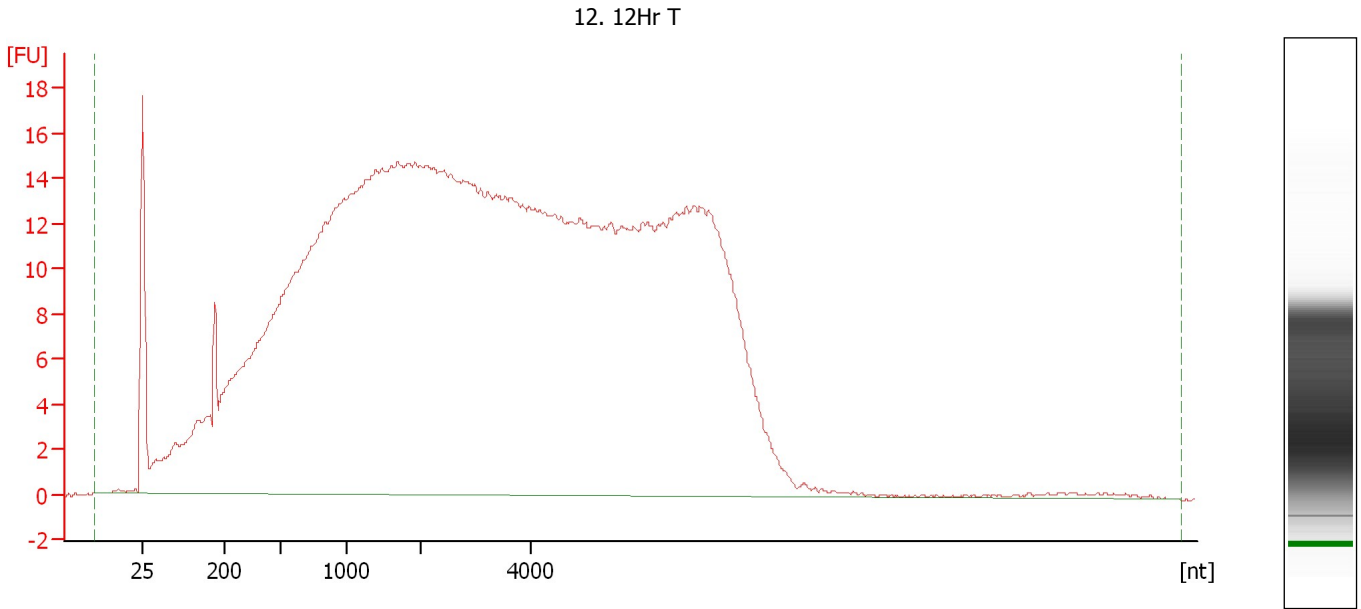
Overall Results for sample 2 : 11. 6Hr T

RNA Area:	1,069.5	rRNA Contamination:	0.0 %
RNA Concentration:	9,836 pg/μl		

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Electropherogram Summary Continued ...



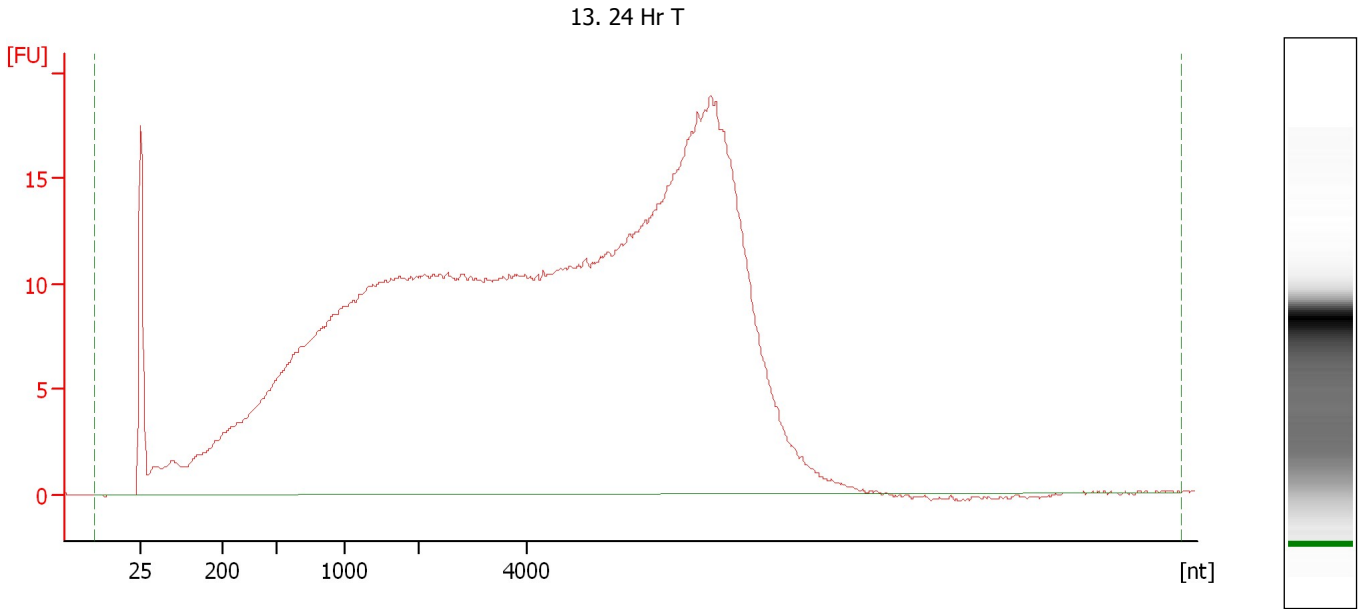
Overall Results for sample 3 : 12. 12Hr T

RNA Area:	1,074.6	rRNA Contamination:	0.0 %
RNA Concentration:	9,883 pg/μl		

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Electropherogram Summary Continued ...



Overall Results for sample 4 : 13. 24 Hr T

RNA Area:	897.2	rRNA Contamination:	0.0 %
RNA Concentration:	8,251 pg/μl		

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Gel Image

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Invalid Samples

Sample 5 has not been run, no results available.

Sample 6 has not been run, no results available.

Sample 7 has not been run, no results available.

Sample 8 has not been run, no results available.

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

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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: 5)		Instrument	Run		3/24/2017 10:13:20 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\2017-03-24\2017-03-24_001.xad)		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		3/24/2017 9:59:17 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1