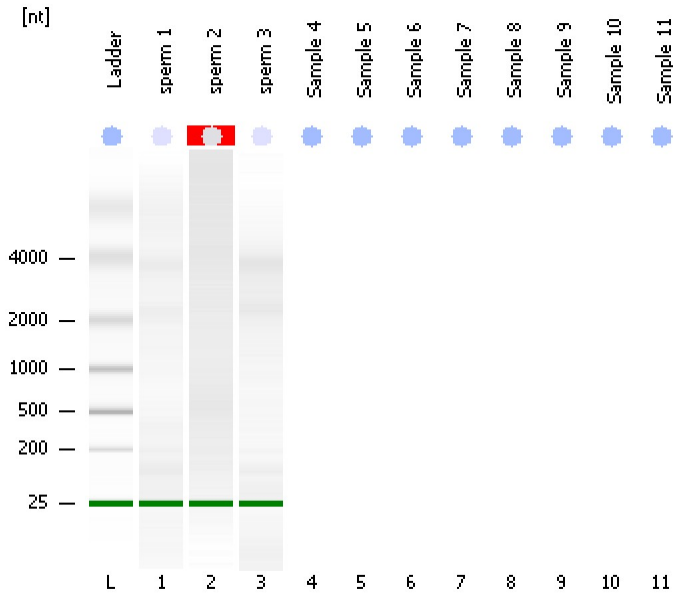


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Electrophoresis File Run Summary



Instrument Information:

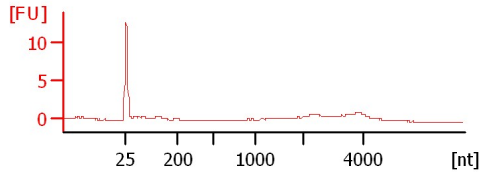
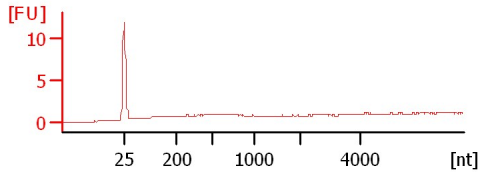
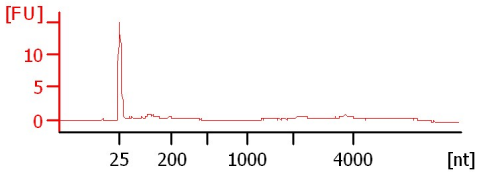
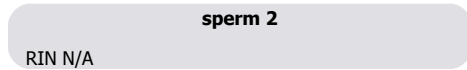
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
 Modified: 12/14/2016 10:41:12 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
sperm 1		✓	RIN:1	
sperm 2		✓	RIN N/A	
sperm 3		✓	RIN:1	
Sample 4				
Sample 5				
Sample 6				
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

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] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

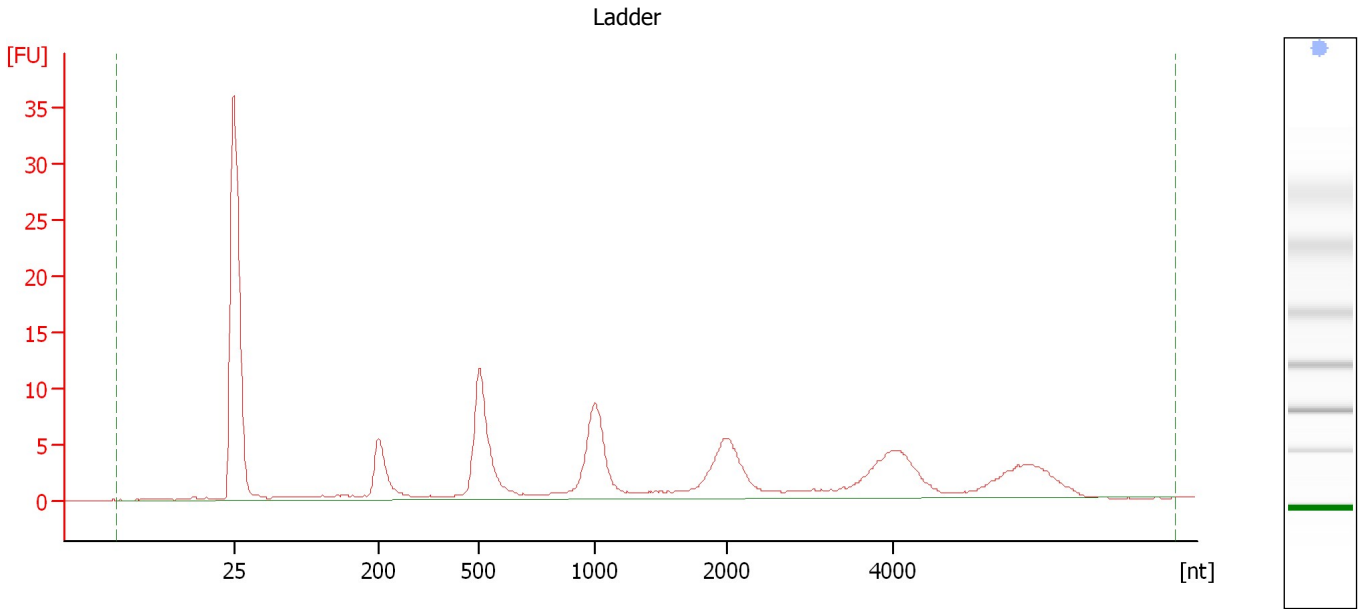
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Electropherogram Summary



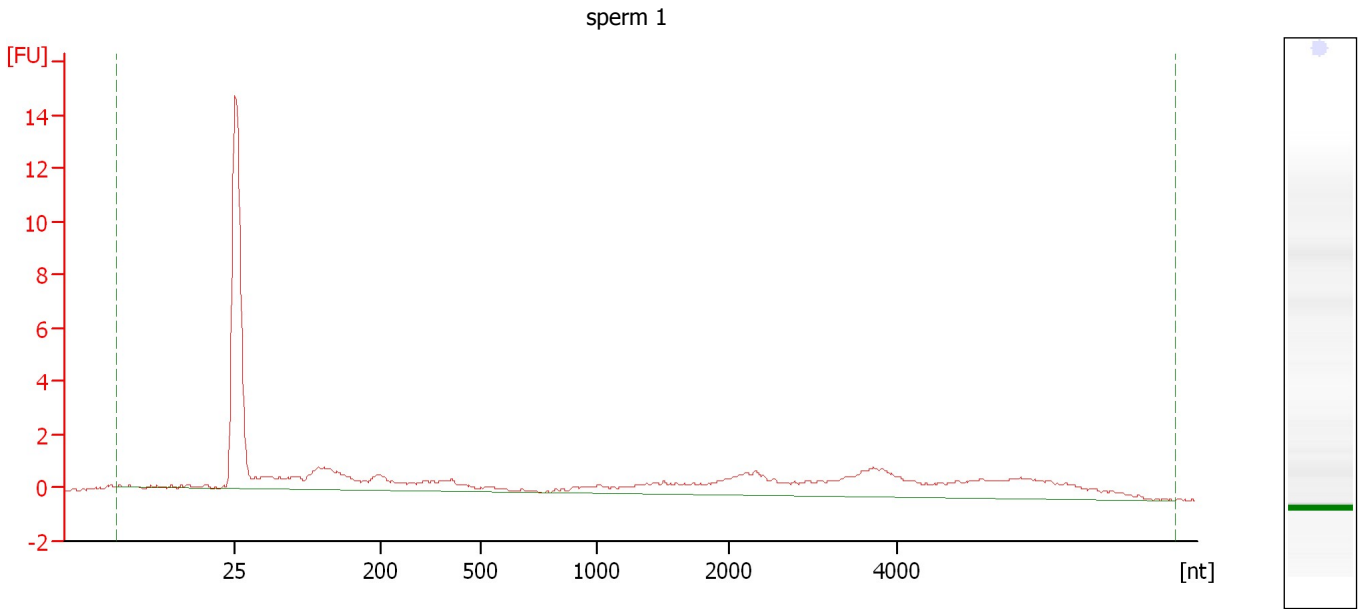
Overall Results for Ladder

RNA Area:	137.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Electropherogram Summary Continued ...



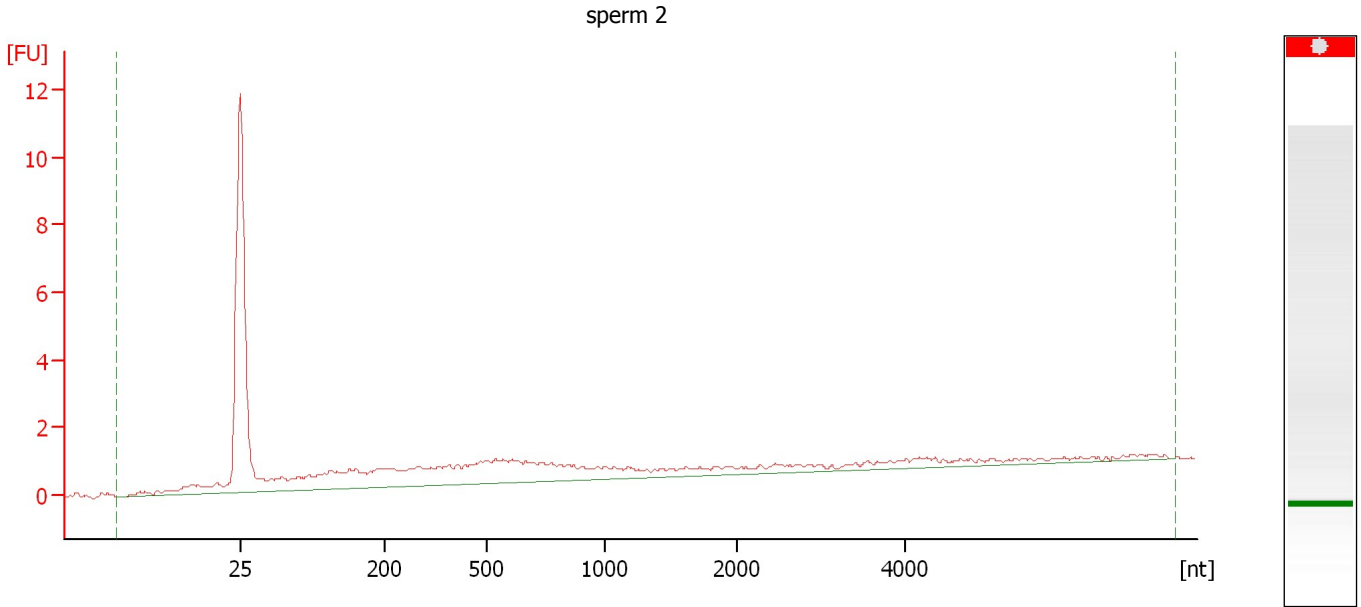
Overall Results for sample 1 : sperm 1

RNA Area:	44.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	324 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Electropherogram Summary Continued ...



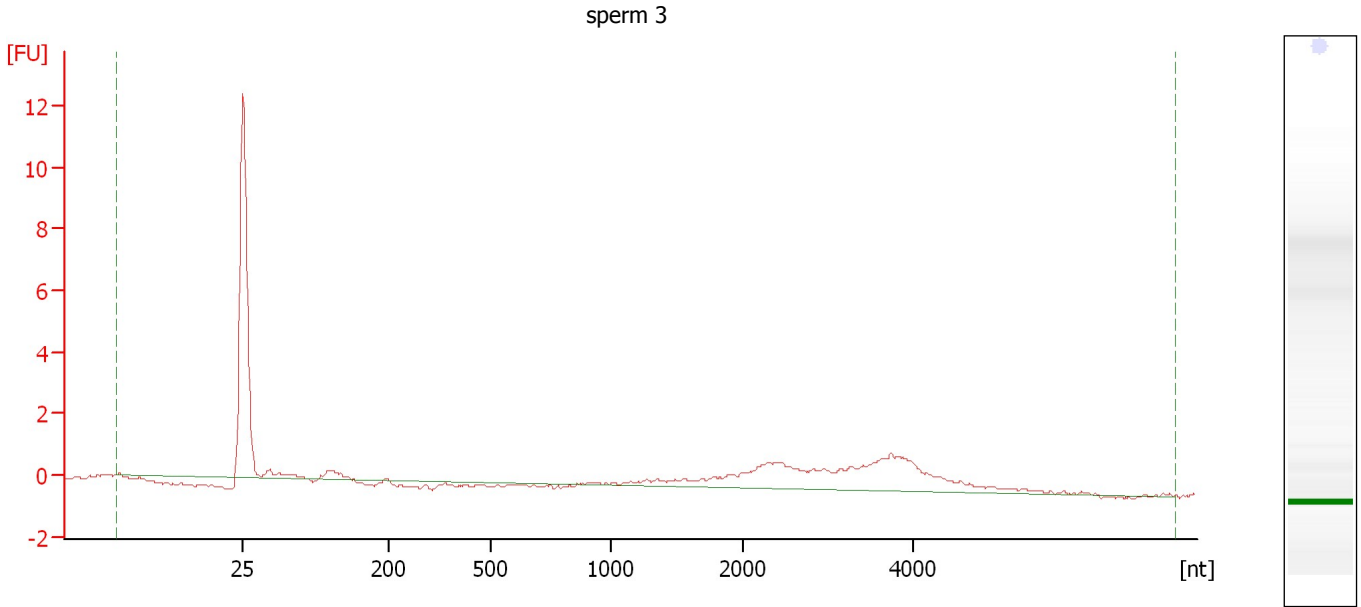
Overall Results for sample 2 : sperm 2

RNA Area:	34.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	251 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Electropherogram Summary Continued ...



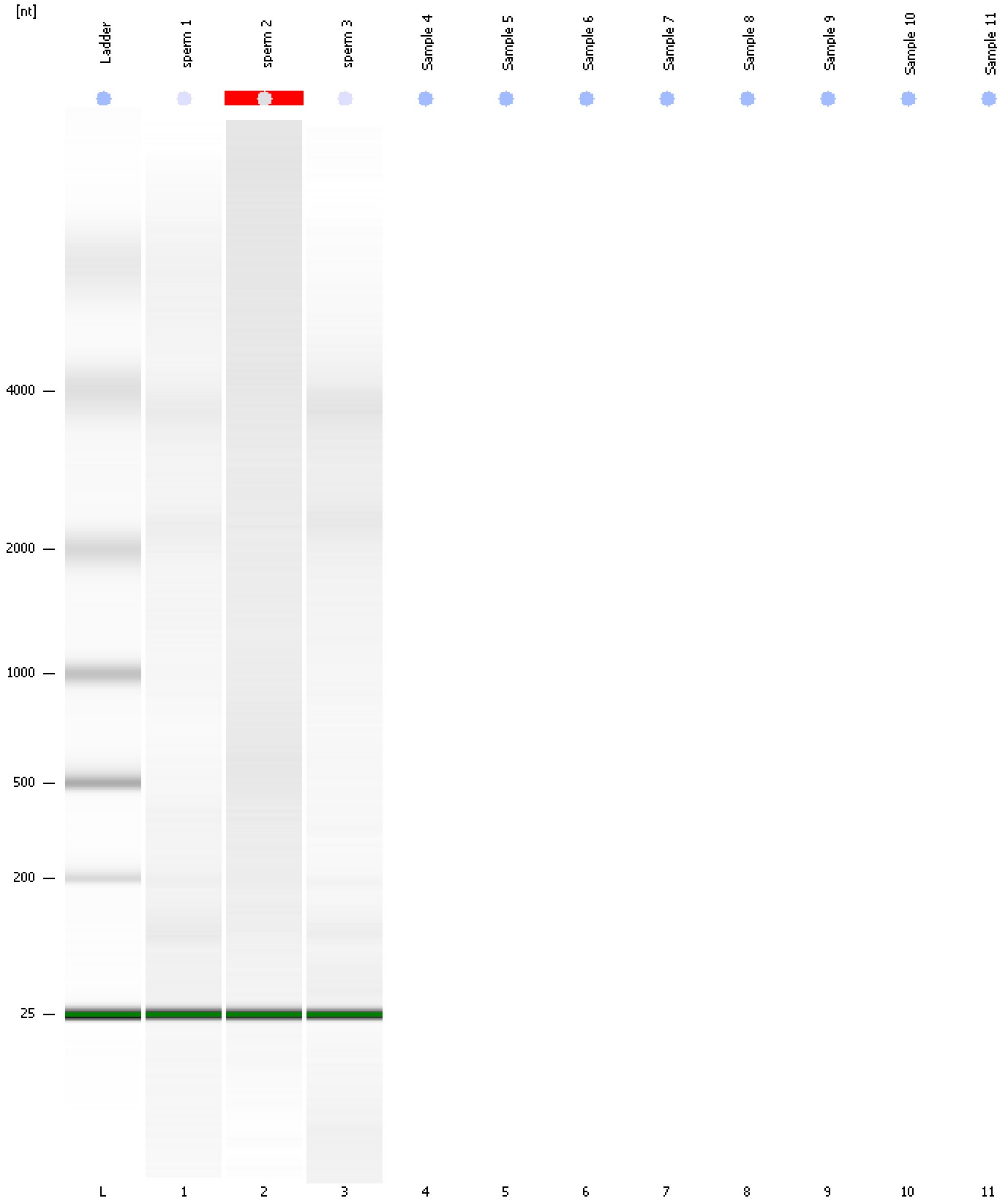
Overall Results for sample 3 : sperm 3

RNA Area:	19.0	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	138 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
Modified: 12/14/2016 10:41:12 AM

Invalid Samples

Sample 4 has not been run, no results available.

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.

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad

Created: 12/14/2016 10:29:45 AM
 Modified: 12/14/2016 10:41:12 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 4)		Instrument	Run		12/14/2016 10:41:11 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-12-14\2016-12-14_002.xad)		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		12/14/2016 10:29:50 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1