

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...rt\data\2016-11-28\2016-11-28_002_Ferdinand_RNA_QC_2of2.xad

Created: 11/28/2016 12:35:42 PM
Modified: 11/28/2016 12:52:39 PM

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

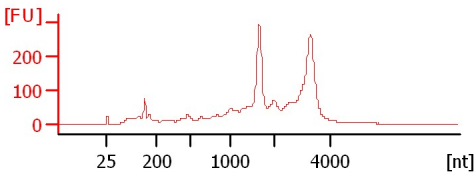
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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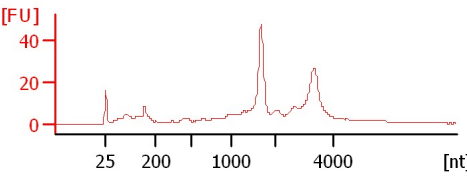
Chip Information:

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

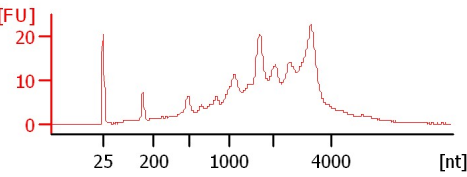
IP 11-21-16
RIN: 7.70



IP 3F 11-22-16
RIN: 8.70



DHP 3C 11-22-16
RIN: 5.50



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
IP 11-21-16		✓	RIN: 7.70	
IP 3F 11-22-16		✓	RIN: 8.70	
DHP 3C 11-22-16		✓	RIN: 5.50	
Ladder		✓	All Other Samples	

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] : 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

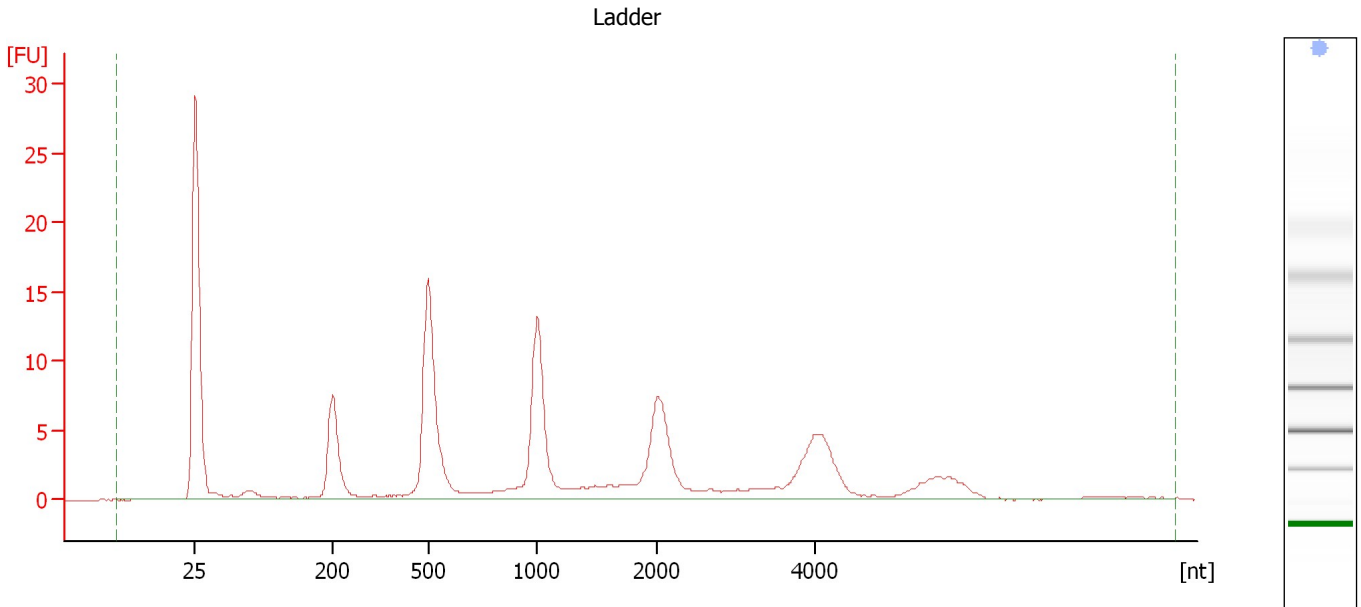
Ladder

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

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Electropherogram Summary



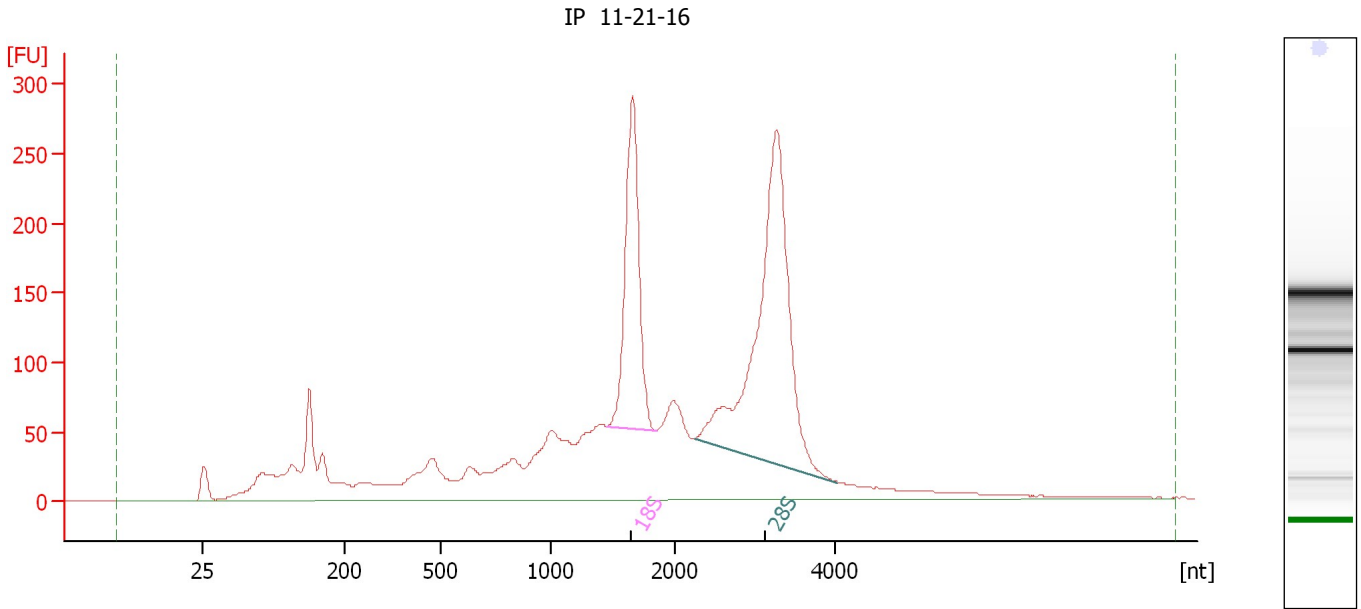
Overall Results for Ladder

RNA Area:	133.4	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Electropherogram Summary Continued ...



Overall Results for sample 1 : IP 11-21-16

RNA Area:	3,412.6	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	25,591 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.0	Result Flagging Label:	RIN: 7.70

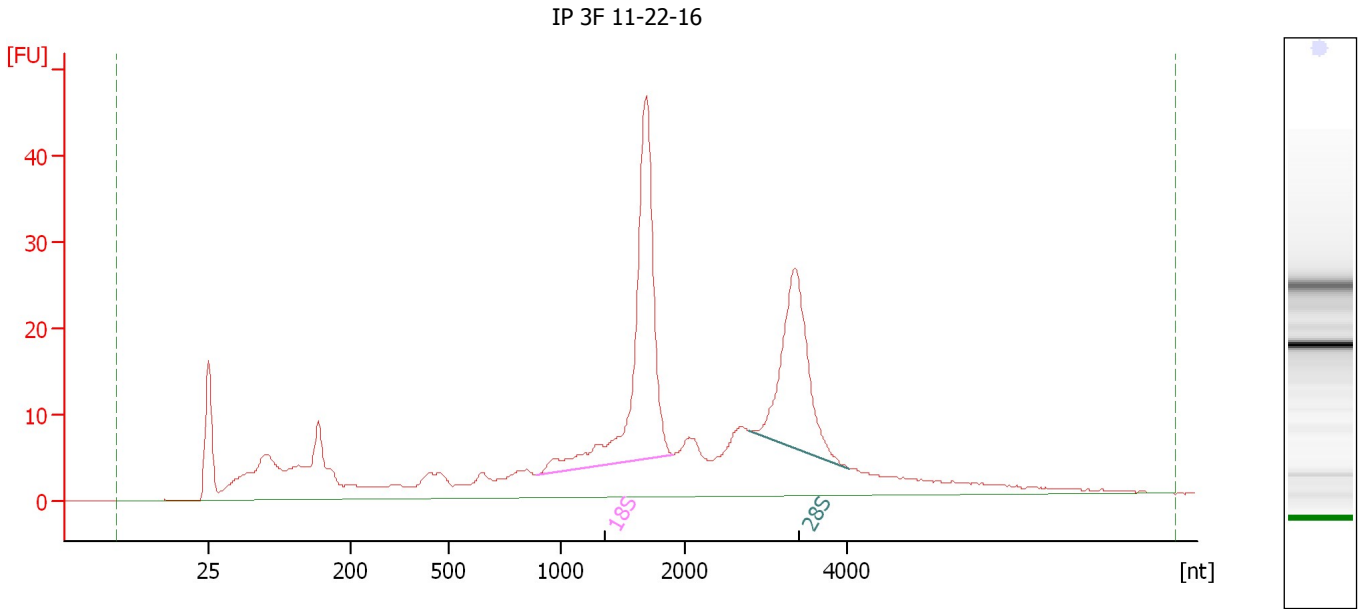
Fragment table for sample 1 : IP 11-21-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,456	1,856	402.5	11.8
28S	2,245	4,026	811.8	23.8

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Electropherogram Summary Continued ...



Overall Results for sample 2 : IP 3F 11-22-16

RNA Area:	464.7	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	3,485 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 8.70

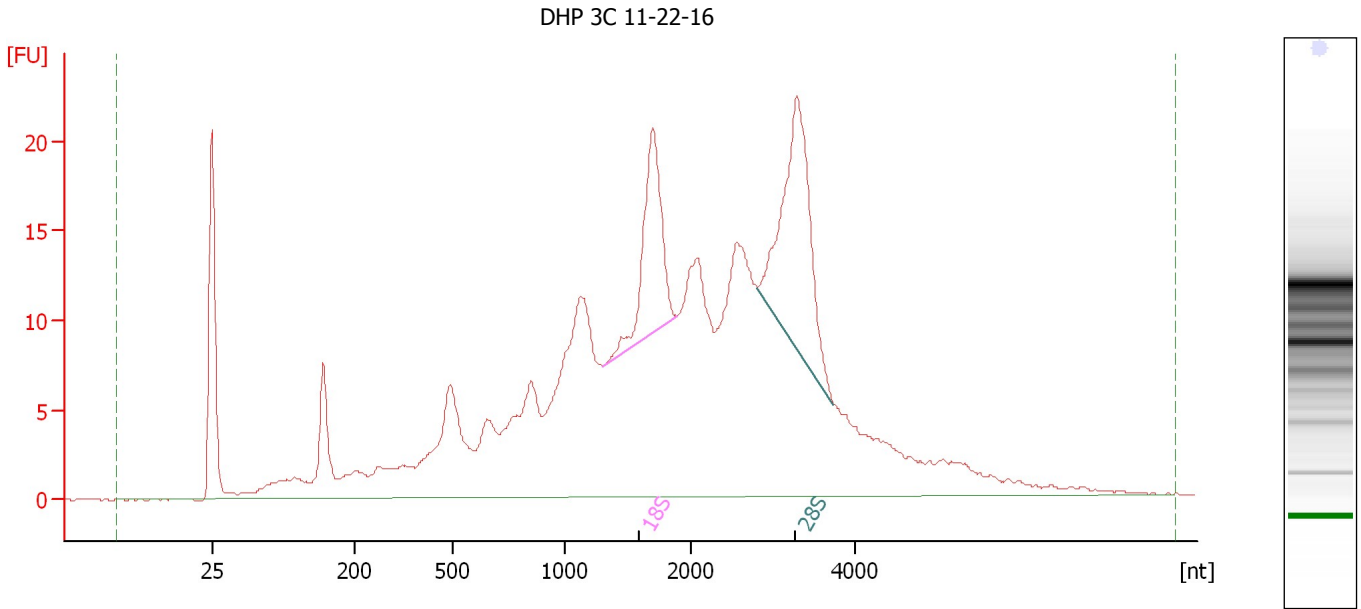
Fragment table for sample 2 : IP 3F 11-22-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	895	1,903	97.0	20.9
28S	2,799	4,022	58.1	12.5

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Electropherogram Summary Continued ...



Overall Results for sample 3 : DHP 3C 11-22-16

RNA Area:	478.4	RNA Integrity Number (RIN):	5.5 (B.02.08)
RNA Concentration:	3,588 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 5.50

Fragment table for sample 3 : DHP 3C 11-22-16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,298	1,889	24.8	5.2
28S	2,810	3,750	40.3	8.4

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Gel Image

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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: 7)		Instrument	Run		11/28/2016 12:51:25 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-11-28\2016-11-28_002.xad)		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/28/2016 12:35:47 PM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1