

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-08-28\2014-08-28\_002.xad

Created: 8/28/2014 2:44:24 PM  
Modified: 8/28/2014 3:10:45 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

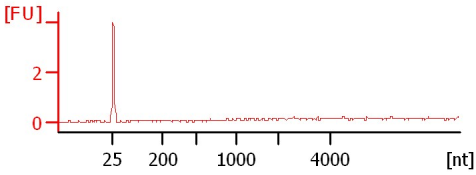
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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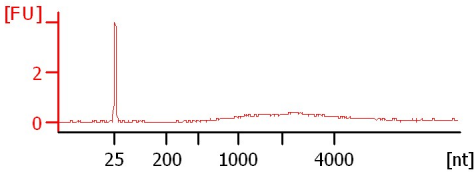
Chip Information:

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

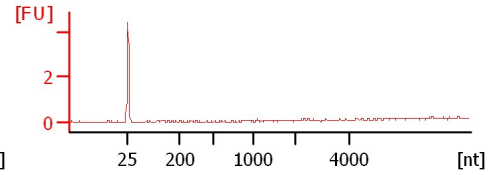
**2-21 Apollo**  
poly A purification kit test  
RIN:1



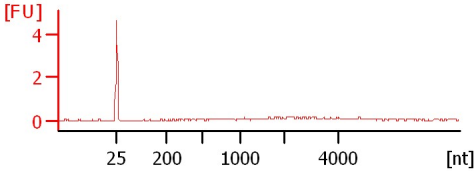
**XCT Apollo**  
poly A purification kit test  
RIN:1



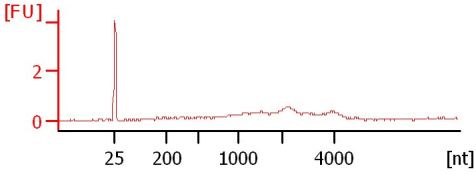
**2-21 column**  
poly A purification kit test  
RIN N/A



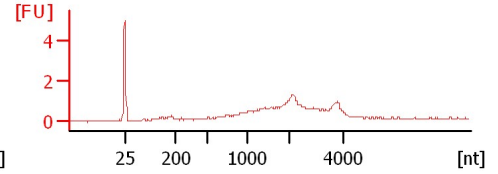
**XCT column**  
poly A purification kit test  
RIN:1



**2-21 B100**  
poly A purification kit test  
RIN: 1.40















**XCT B100**  
poly A purification kit test  
RIN: 2.50



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**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Status	Result Label	Result Color
2-21 Apollo	poly A purification kit test	✓	RIN:1	
XCT Apollo	poly A purification kit test	✓	RIN:1	
2-21 column	poly A purification kit test	✓	RIN N/A	
XCT column	poly A purification kit test	✓	RIN:1	
2-21 B100	poly A purification kit test	✓	RIN: 1.40	
XCT B100	poly A purification kit test	✓	RIN: 2.50	
Sample 7				
Sample 8				
Sample 9				
Sample 10				
Sample 11				
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/μl] : 1000  
Lower Marker Concentration [pg/μl] : 0  
Upper Marker Concentration [pg/μl] : 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

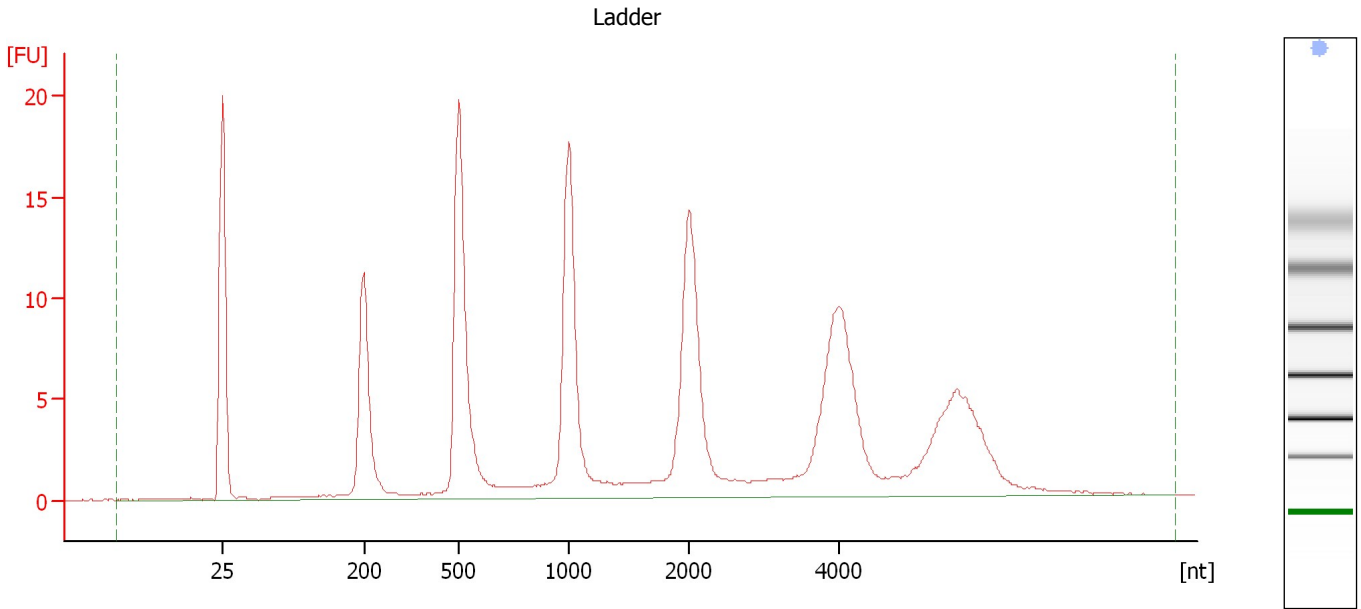
**Ladder**

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**

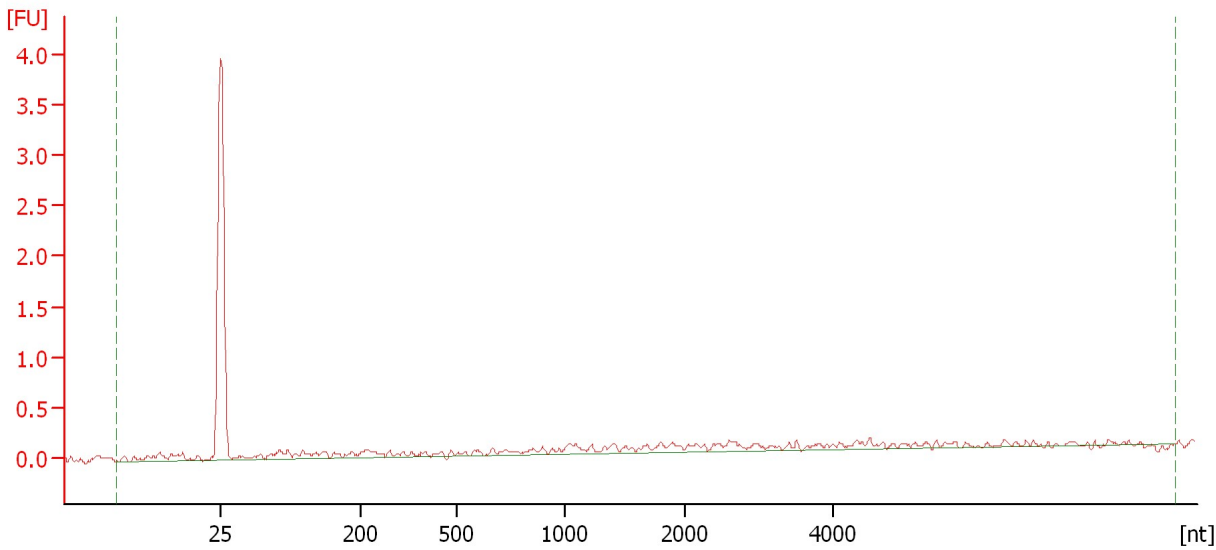
RNA Area:	195.2	Result Flagging Color:	<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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**Electropherogram Summary Continued ...**

2-21 Apollo [ poly A purification kit test ]



**Overall Results for sample 1 : 2-21 Apollo**

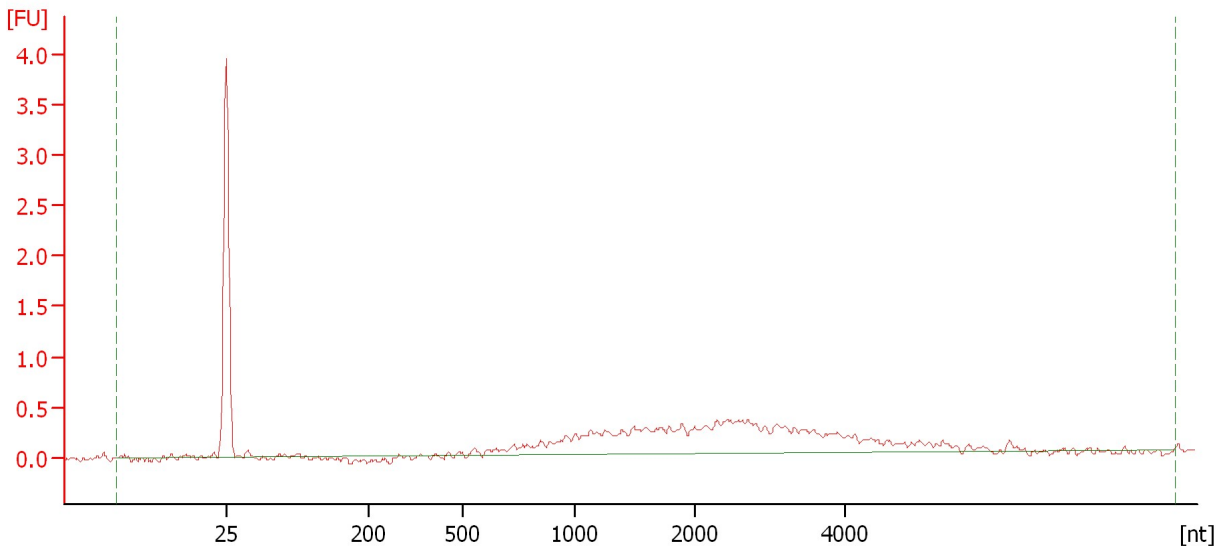
RNA Area:	4.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	24 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

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**Electropherogram Summary Continued ...**

XCT Apollo [ poly A purification kit test ]



**Overall Results for sample 2 : XCT Apollo**

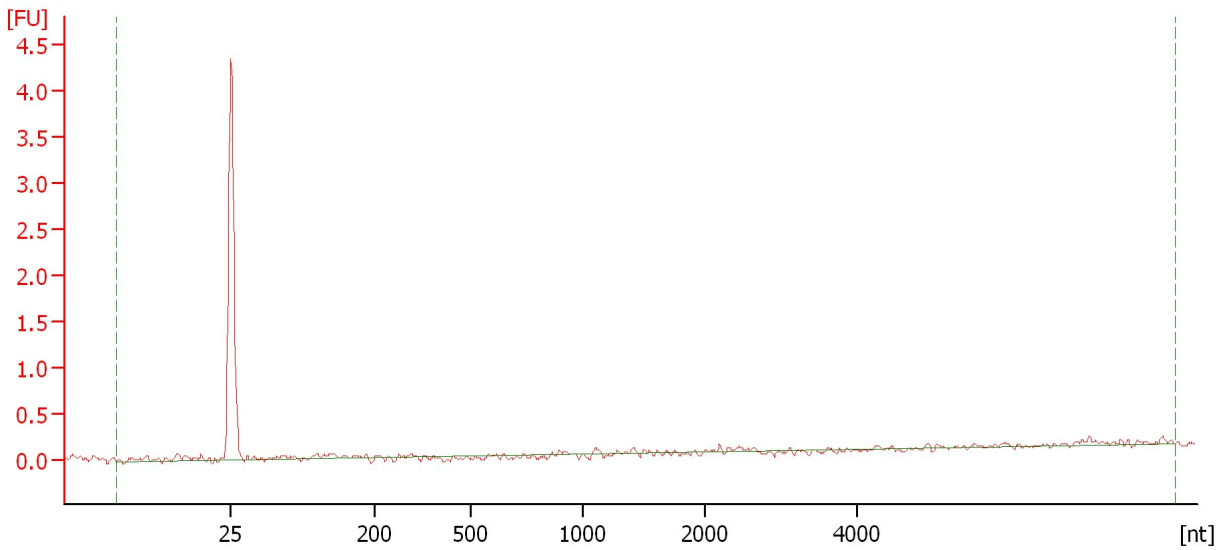
RNA Area:	9.1	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	47 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-08-28\2014-08-28\_002.xad


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**Electropherogram Summary Continued ...**

2-21 column [ poly A purification kit test ]



**Overall Results for sample 3 : 2-21 column**

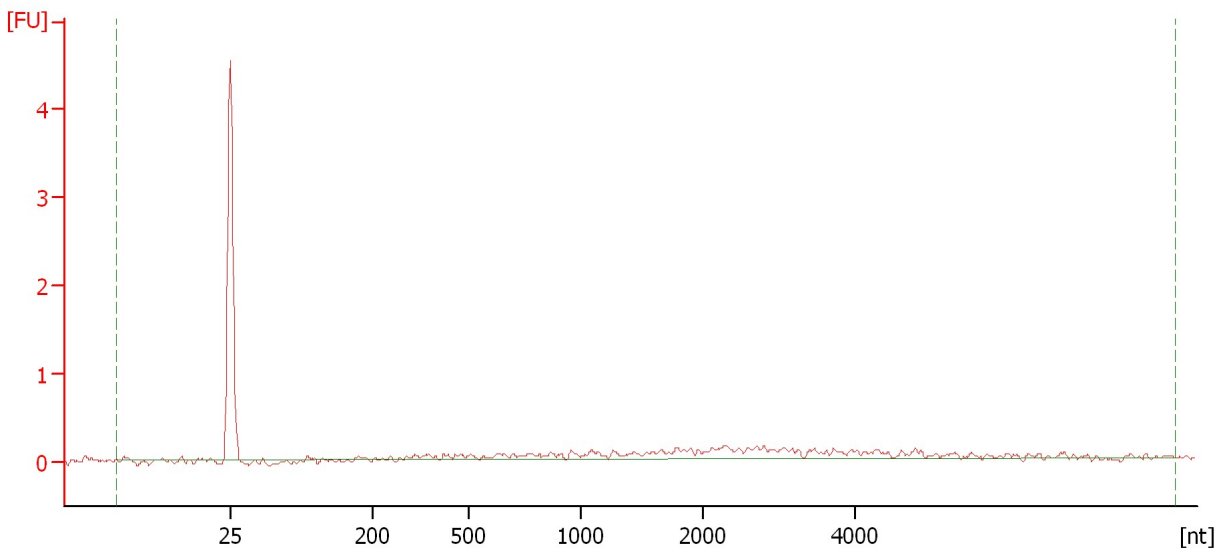
RNA Area:	1.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	7 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-08-28\2014-08-28\_002.xad

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**Electropherogram Summary Continued ...**

XCT column [ poly A purification kit test ]



**Overall Results for sample 4 : XCT column**

RNA Area:	3.5	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	18 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

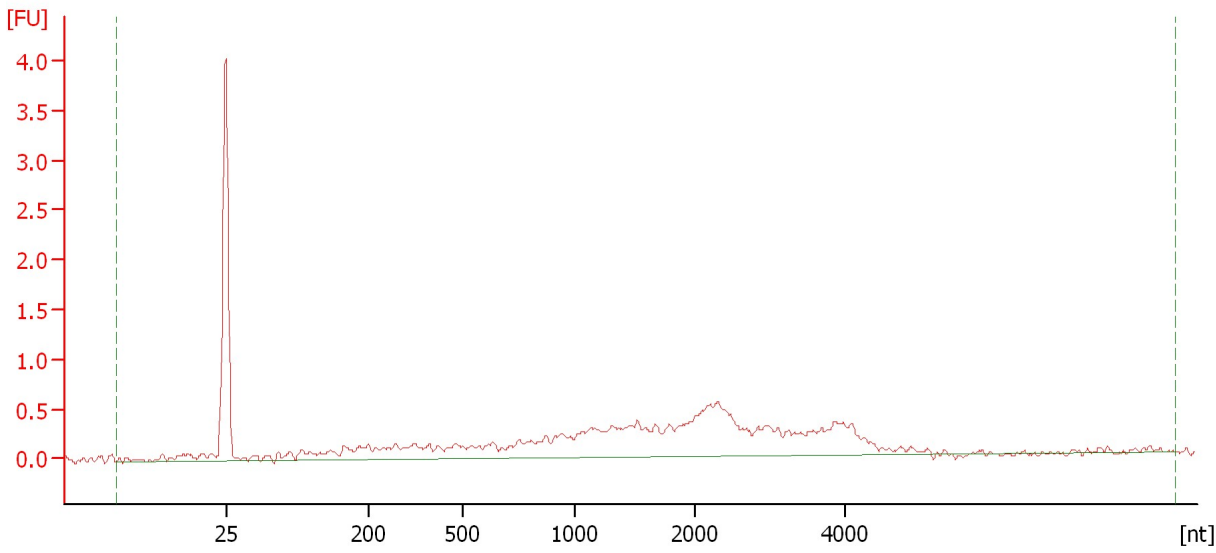


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...ents and Settings\Bioanalyzer\2014-08-28\2014-08-28\_002.xad

Created: 8/28/2014 2:44:24 PM  
Modified: 8/28/2014 3:10:45 PM

**Electropherogram Summary Continued ...**

2-21 B100 [ poly A purification kit test ]



**Overall Results for sample 5 : 2-21 B100**

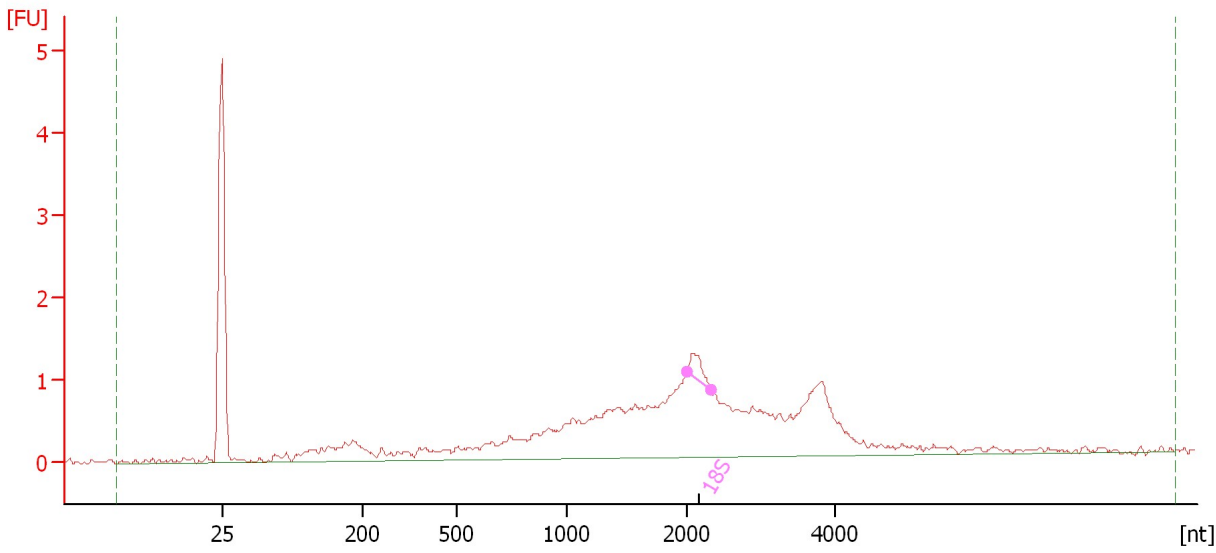
RNA Area:	14.8	RNA Integrity Number (RIN):	1.4 (B.02.08)
RNA Concentration:	76 pg/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.40

Assay Class: Eukaryote Total RNA Pico  
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**Electropherogram Summary Continued ...**

XCT B100 [ poly A purification kit test ]



**Overall Results for sample 6 : XCT B100**

RNA Area:	26.4	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	135 µg/µl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

**Fragment table for sample 6 : XCT B100**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,990	2,301	0.4	1.5

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**Gel Image**

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**Invalid Samples**

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: 7)		Instrument	Run		8/28/2014 3:00:09 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2014-08-28\2014-08-28_002.xad)		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		8/28/2014 2:44:30 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1