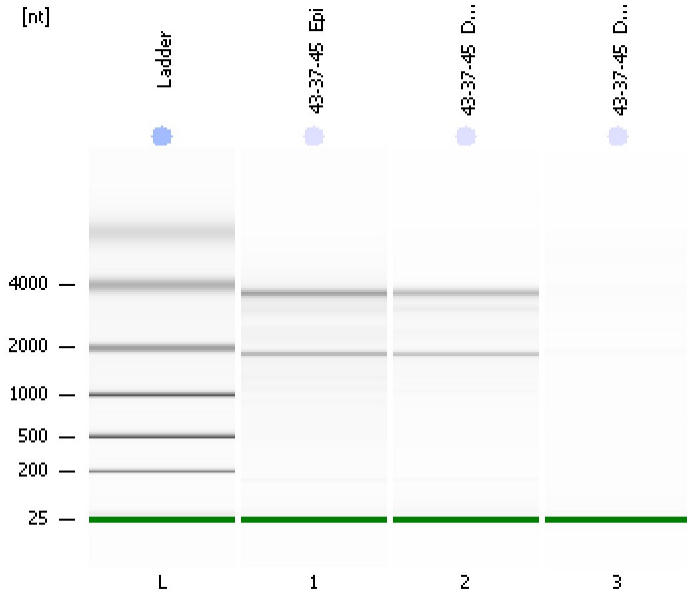


Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
Modified: 11/24/2015 10:32:46 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

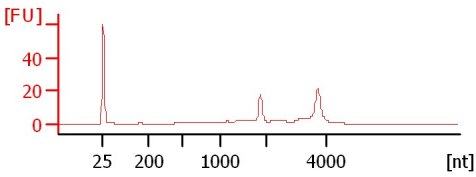
Assay Class: Eukaryote Total RNA Pico  
Version: 2.6  
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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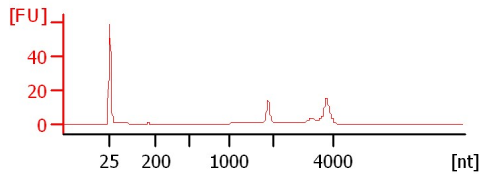
Chip Information:

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

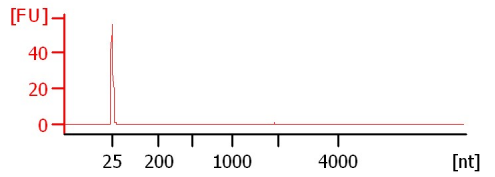
**43-37-45\_Epi**  
QC\_051  
RIN: 8.20



**43-37-45\_Derm\_1**  
QC\_051  
RIN: 8.80



**43-37-45\_Derm\_2**  
QC\_051  
RIN: 1



Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
 Modified: 11/24/2015 10:32:46 AM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
43-37-45_Epi	QC_051	✓	RIN: 8.20	
43-37-45_Derm_1	QC_051	✓	RIN: 8.80	
43-37-45_Derm_2	QC_051	✓	RIN:1	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
Modified: 11/24/2015 10:32:46 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/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

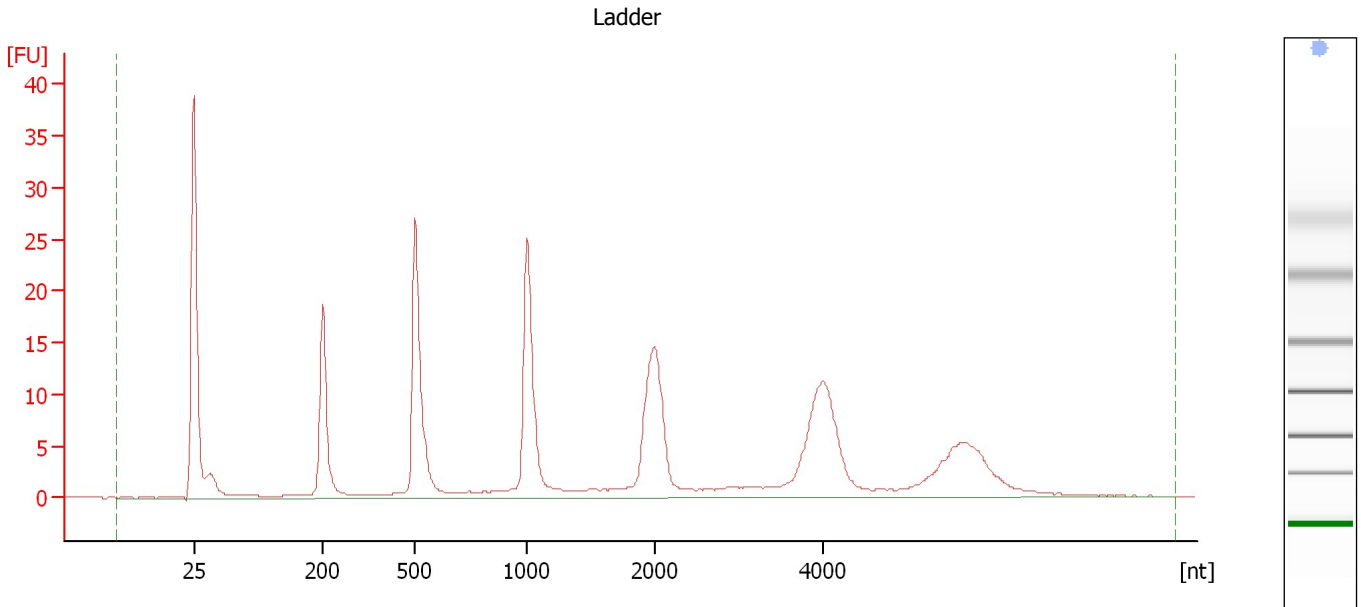
**Ladder**

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

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
Modified: 11/24/2015 10:32:46 AM

**Electropherogram Summary**



**Overall Results for Ladder**

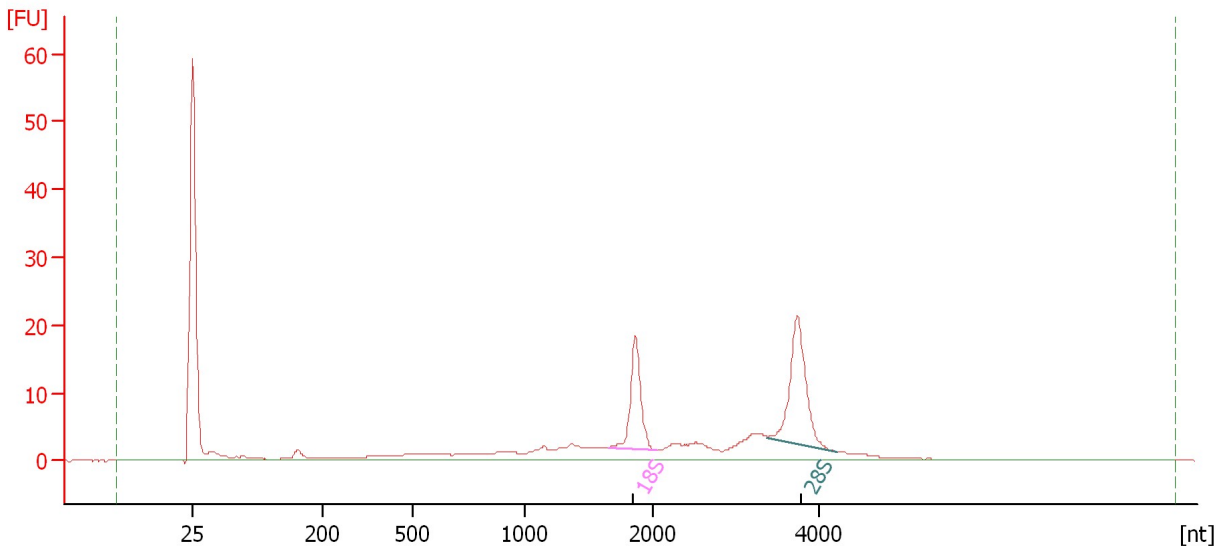
RNA Area:	227.0	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
 Modified: 11/24/2015 10:32:46 AM

**Electropherogram Summary Continued ...**

43-37-45\_Epi [ QC\_051 ]



**Overall Results for sample 1 : 43-37-45 Epi**

RNA Area:	161.4	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	711 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]:	1.5	Result Flagging Label:	RIN: 8.20

**Fragment table for sample 1 : 43-37-45 Epi**

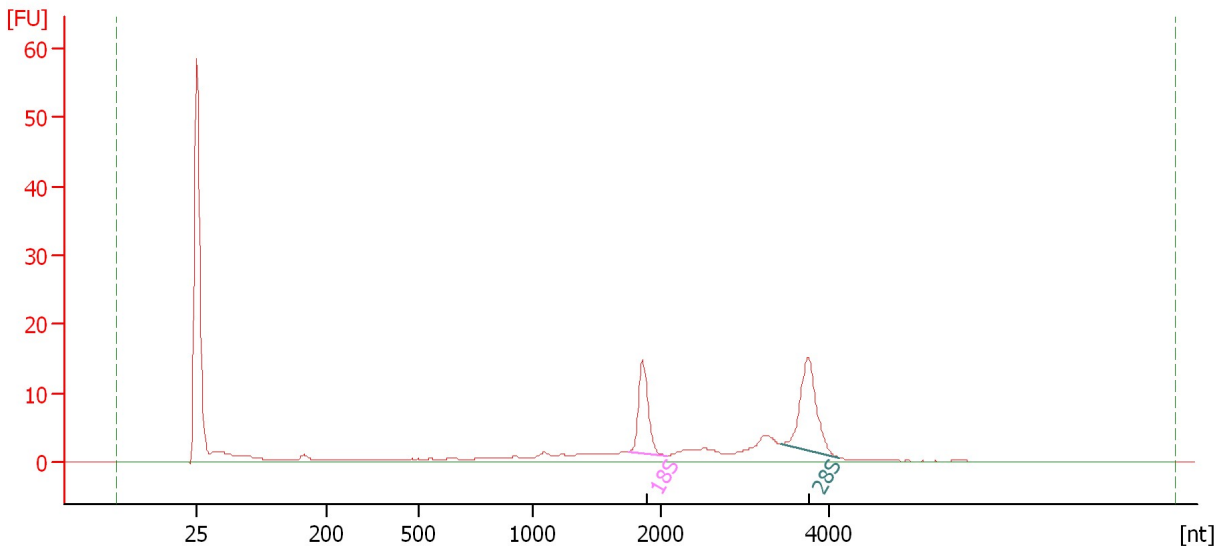
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,654	2,050	21.4	13.2
28S	3,377	4,194	31.2	19.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
Modified: 11/24/2015 10:32:46 AM

**Electropherogram Summary Continued ...**

43-37-45\_Derm\_1 [ QC\_051 ]



**Overall Results for sample 2 : 43-37-45 Derm 1**

RNA Area: 108.3 RNA Integrity Number (RIN): 8.8 (B.02.08)  
RNA Concentration: 477 pg/μl Result Flagging Color:   
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 8.80

**Fragment table for sample 2 : 43-37-45 Derm 1**

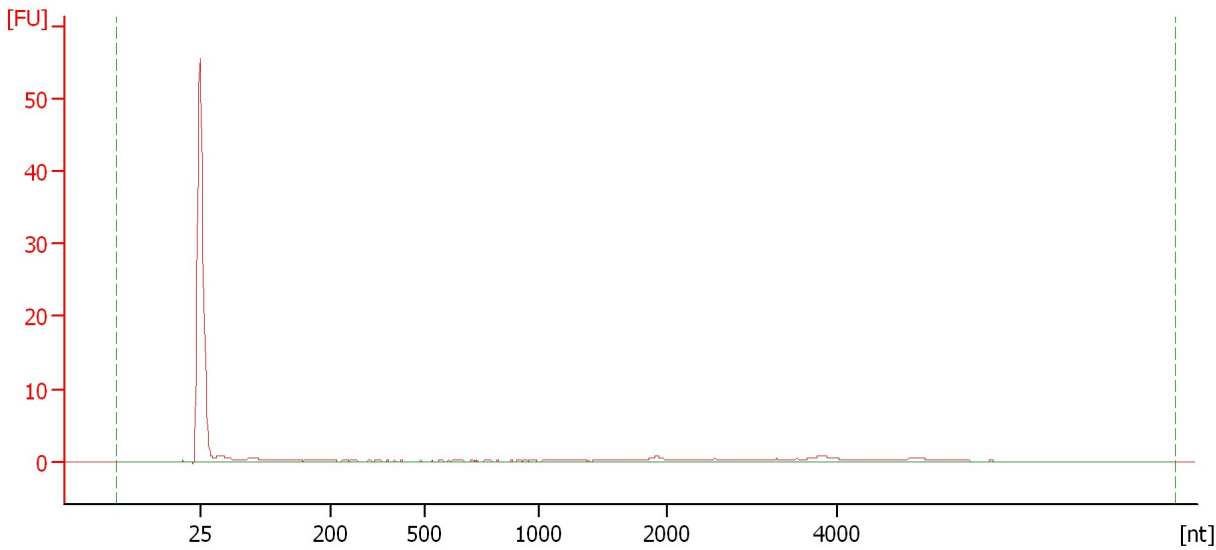
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,759	2,065	15.2	14.1
28S	3,432	4,116	23.1	21.3

Assay Class: Eukaryote Total RNA Pico  
Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
Modified: 11/24/2015 10:32:46 AM

**Electropherogram Summary Continued ...**

43-37-45\_Derm\_2 [ QC\_051 ]



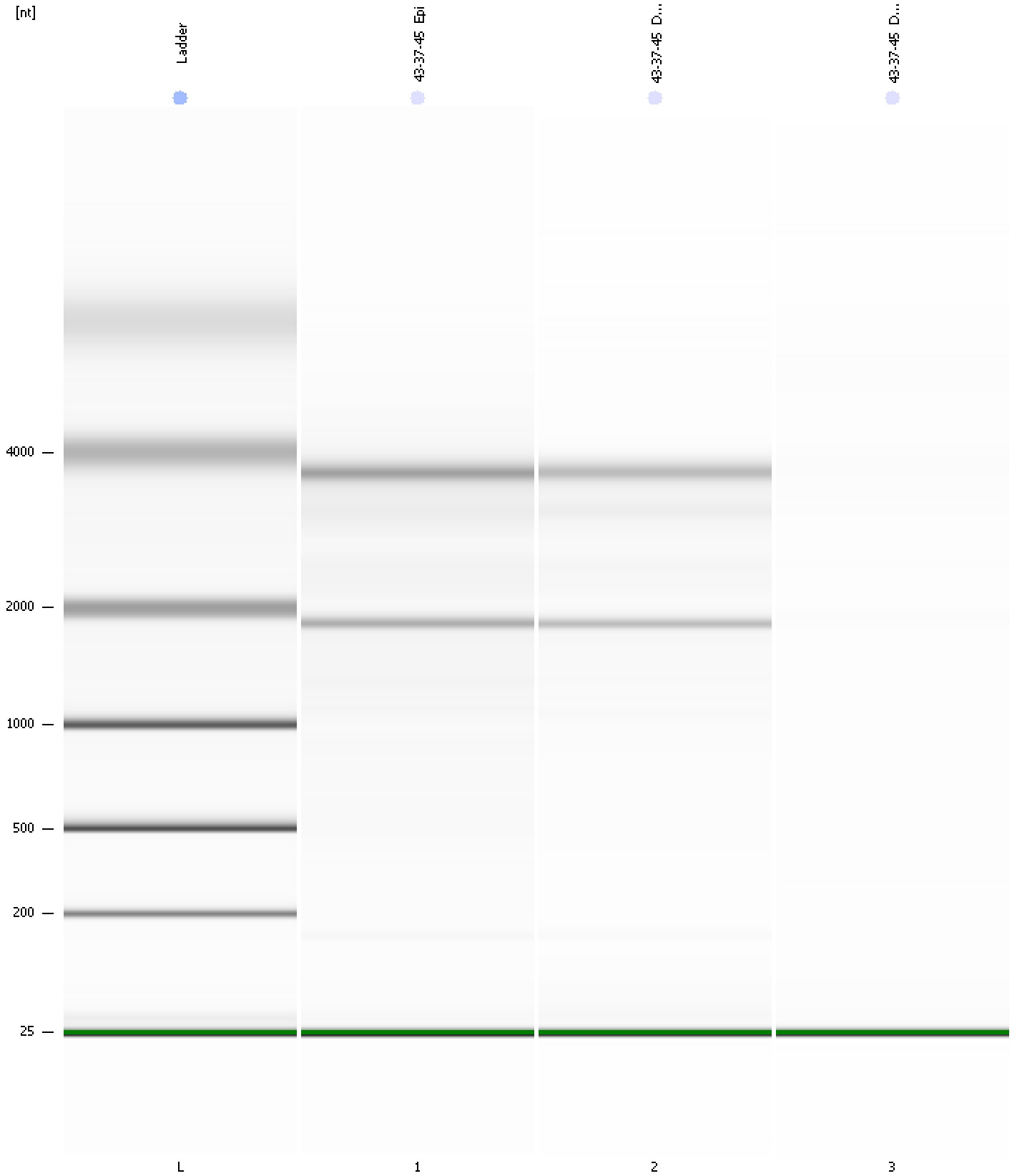
**Overall Results for sample 3 : 43-37-45 Derm 2**

RNA Area:	25.8	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	114 pg/μl	Result Flagging Color:	<span style="background-color: #d9e1f2; 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:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
Modified: 11/24/2015 10:32:46 AM

**Gel Image**





Assay Class: Eukaryote Total RNA Pico  
 Data Path: C:\...s\Bioanalyzer\2015-11-24\2015-11-24\_001\_QC\_051\_TotalRNA.xad

Created: 11/24/2015 10:05:51 AM  
 Modified: 11/24/2015 10:32:46 AM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		11/24/2015 10:25:52 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-24\2015-11-24_001.xad)		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/24/2015 10:05:56 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1