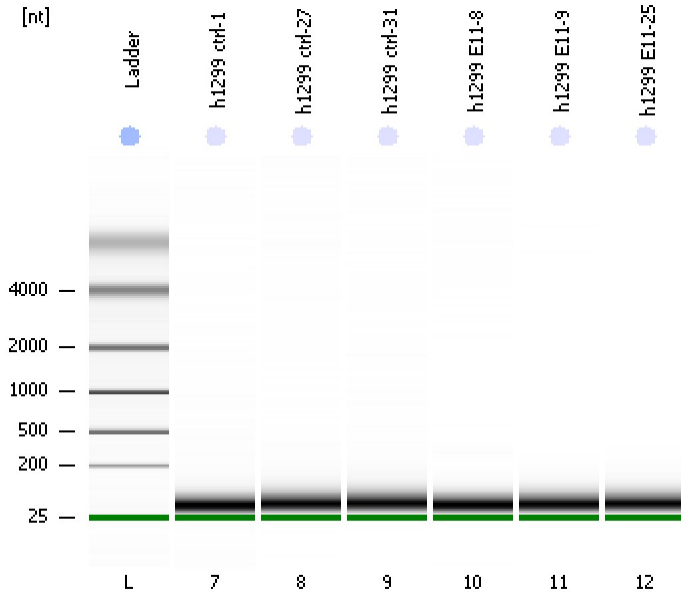


Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
 Modified: 9/22/2015 1:27:36 PM

**Electrophoresis File Run Summary**



Instrument Information:

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

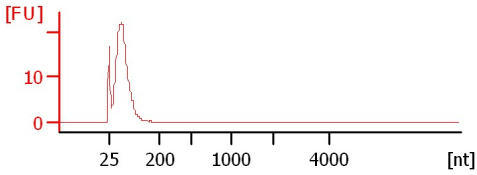
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy  
 Assay Class: Eukaryote Total RNA Nano  
 Version: 2.6  
 Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)  
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

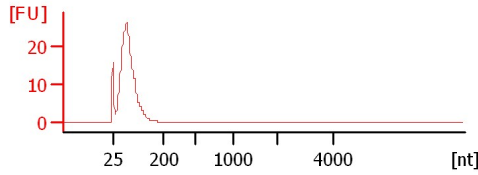
Chip Information:

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

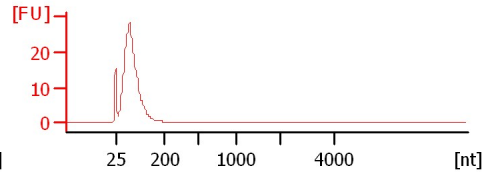
**h1299 ctrl-1**  
 HiSeq251 Total RNA QC\_Replacement Sample  
 RIN: 2.60



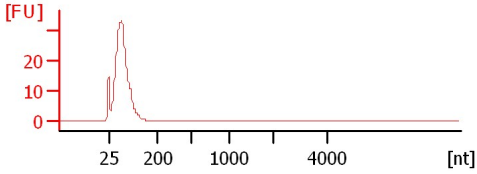
**h1299 ctrl-27**  
 HiSeq251 Total RNA QC\_Replacement Sample  
 RIN: 2.60



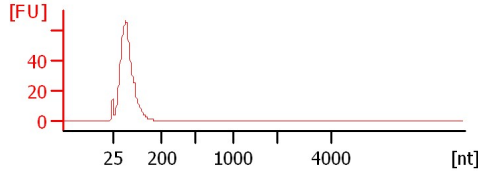
**h1299 ctrl-31**  
 HiSeq251 Total RNA QC\_Replacement Sample  
 RIN: 2.60



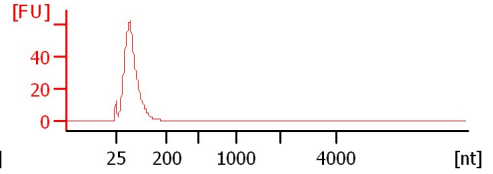
**h1299 E11-8**  
 HiSeq251 Total RNA QC\_Replacement Sample  
 RIN: 2.60



**h1299 E11-9**  
 HiSeq251 Total RNA QC\_Replacement Sample  
 RIN: 2.60










**h1299 E11-25**  
 HiSeq251 Total RNA QC\_Replacement Sample  
 RIN: 2.60



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
 Modified: 9/22/2015 1:27:36 PM

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

Sample Name	Sample Comment	Status	Result Label	Result Color
h1299 ctrl-1	HiSeq251 Total RNA QC_Replacement Sample	✓	RIN: 2.60	
h1299 ctrl-27	HiSeq251 Total RNA QC_Replacement Sample	✓	RIN: 2.60	
h1299 ctrl-31	HiSeq251 Total RNA QC_Replacement Sample	✓	RIN: 2.60	
h1299 E11-8	HiSeq251 Total RNA QC_Replacement Sample	✓	RIN: 2.60	
h1299 E11-9	HiSeq251 Total RNA QC_Replacement Sample	✓	RIN: 2.60	
h1299 E11-25	HiSeq251 Total RNA QC_Replacement Sample	✓	RIN: 2.60	
Ladder		✓	All Other Samples	

**Chip Lot #**

**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

## Electrophoresis Assay Details

### General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13  
Minimum Visible Range [s] : 17  
Maximum Visible Range [s] : 70  
Start Analysis Time Range [s] : 19  
End Analysis Time Range [s] : 69  
Ladder Concentration [ng/μl] : 150  
Lower Marker Concentration [ng/μl] : 0  
Upper Marker Concentration [ng/μl] : 0  
Used Lower Marker for Quantitation  
Standard Curve Fit is Logarithmic  
Show Data Aligned to Lower Marker

### Integrator Settings

Integration Start Time [s] : 19  
Integration End Time [s] : 69  
Slope Threshold : 0.6  
Height Threshold [FU] : 0.5  
Area Threshold : 0.2  
Width Threshold [s] : 0.5  
Baseline Plateau [s] : 6

### Filter Settings

Filter Width [s] : 0.5  
Polynomial Order : 4

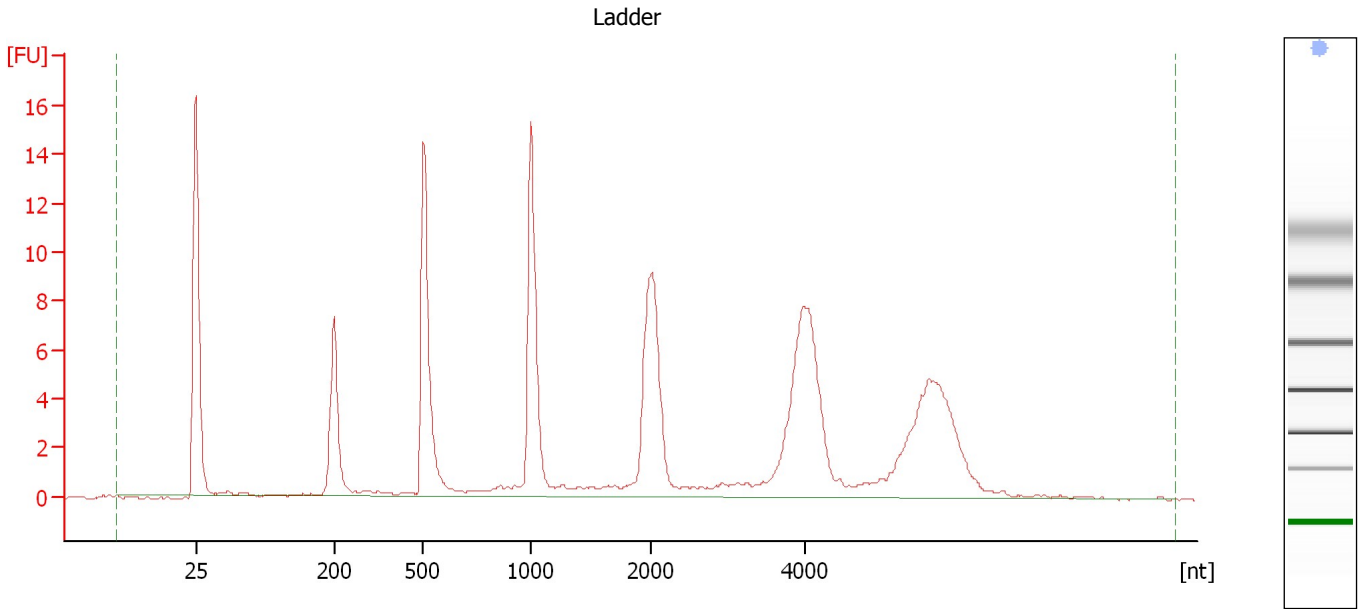
### Ladder

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

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary**



**Overall Results for Ladder**

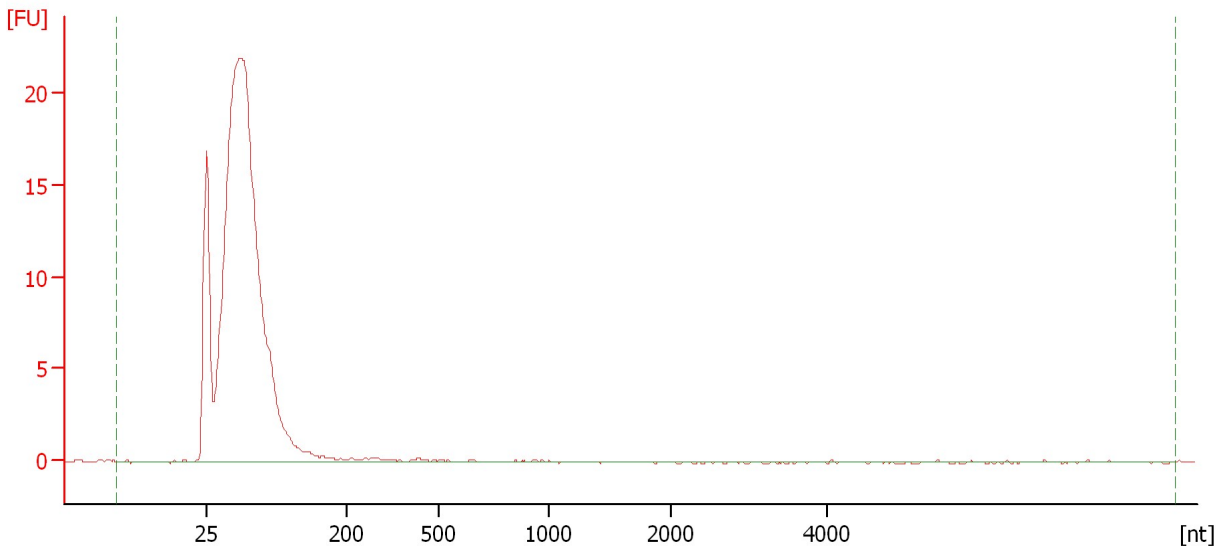
RNA Area:	124.8	Result Flagging Color:	<span style="background-color: #add8e6; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary Continued ...**

h1299 ctrl-1 [ HiSeq251 Total RNA QC\_Replacement Sample ]



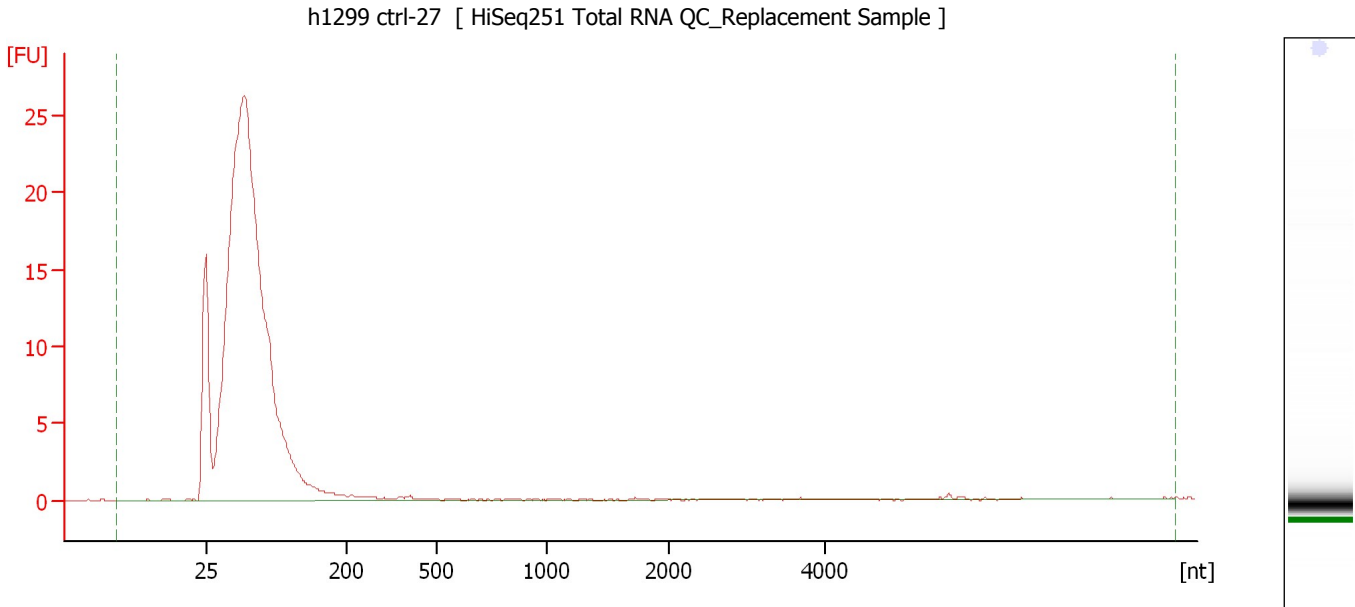
**Overall Results for sample 7 : h1299 ctrl-1**

RNA Area:	158.8	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	191 ng/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: 2.60

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : h1299 ctrl-27**

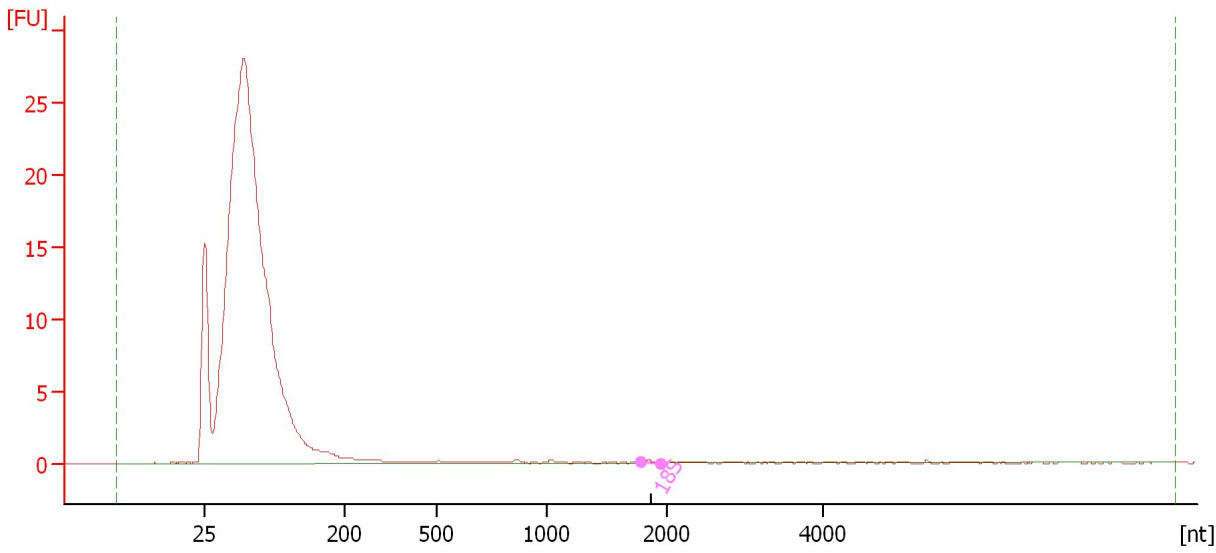
RNA Area:	198.6	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	239 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
 Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary Continued ...**

h1299 ctrl-31 [ HiSeq251 Total RNA QC\_Replacement Sample ]



**Overall Results for sample 9 : h1299 ctrl-31**

RNA Area:	220.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	266 ng/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: 2.60

**Fragment table for sample 9 : h1299 ctrl-31**

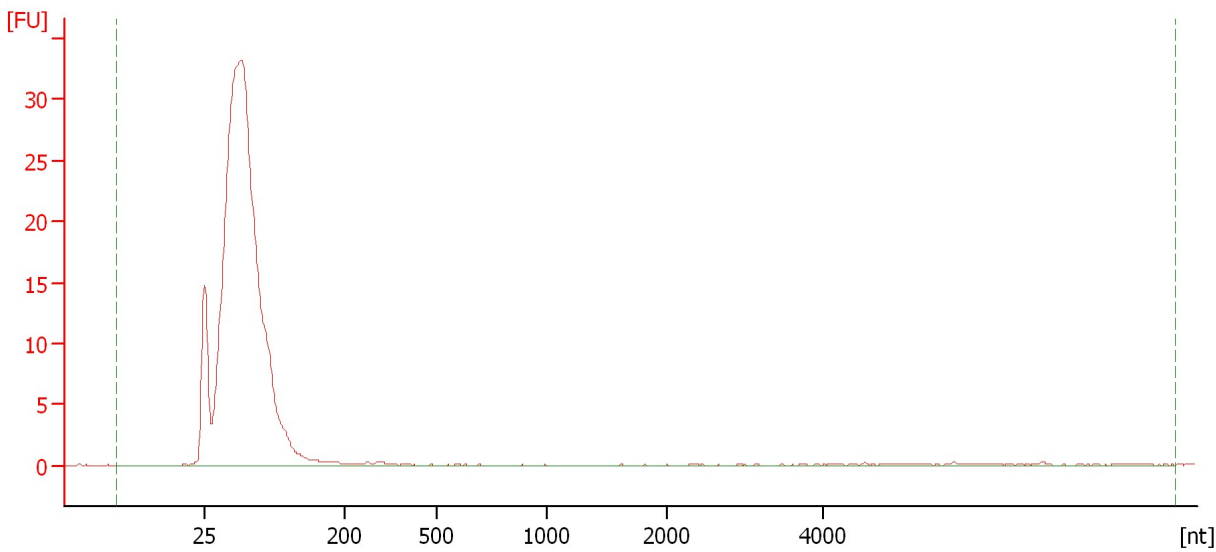
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,777	1,944	0.1	0.1

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary Continued ...**

h1299 E11-8 [ HiSeq251 Total RNA QC\_Replacement Sample ]



**Overall Results for sample 10 : h1299 E11-8**

RNA Area:	244.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	294 ng/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: 2.60

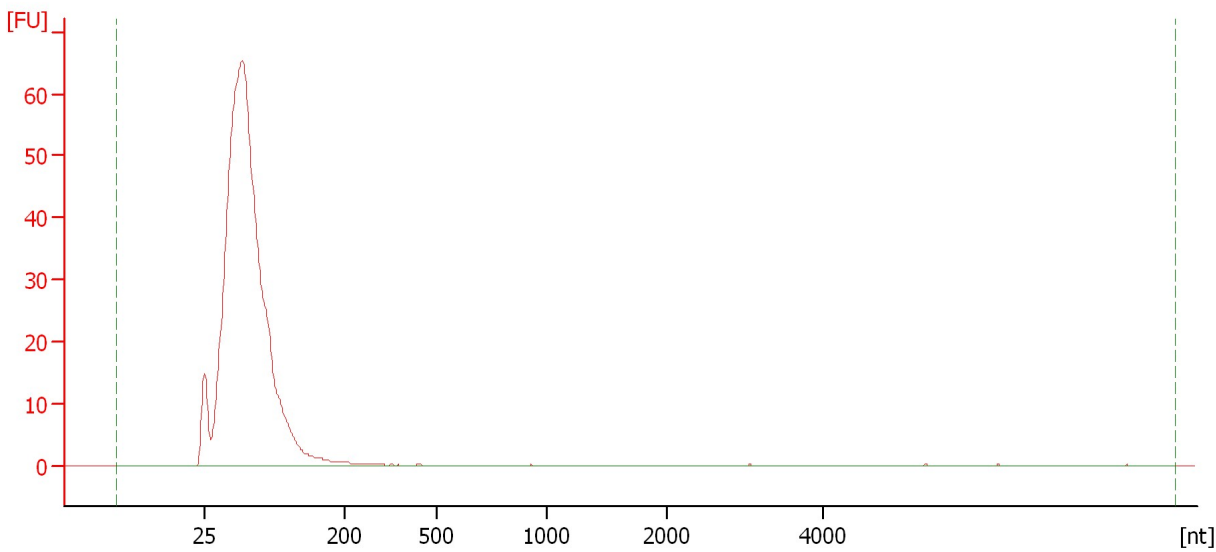


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary Continued ...**

h1299 E11-9 [ HiSeq251 Total RNA QC\_Replacement Sample ]



**Overall Results for sample 11 : h1299 E11-9**

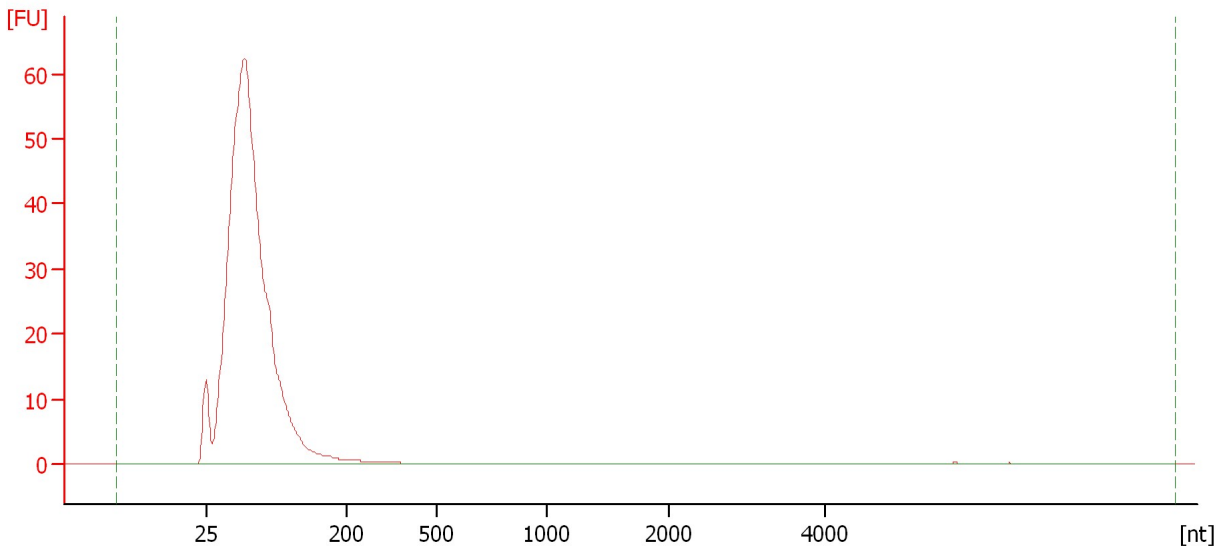
RNA Area:	486.1	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	584 ng/μl	Result Flagging Color:	<span style="background-color: #ccccff; border: 1px solid black; display: inline-block; width: 20px; height: 10px;"></span>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Electropherogram Summary Continued ...**

h1299 E11-25 [ HiSeq251 Total RNA QC\_Replacement Sample ]



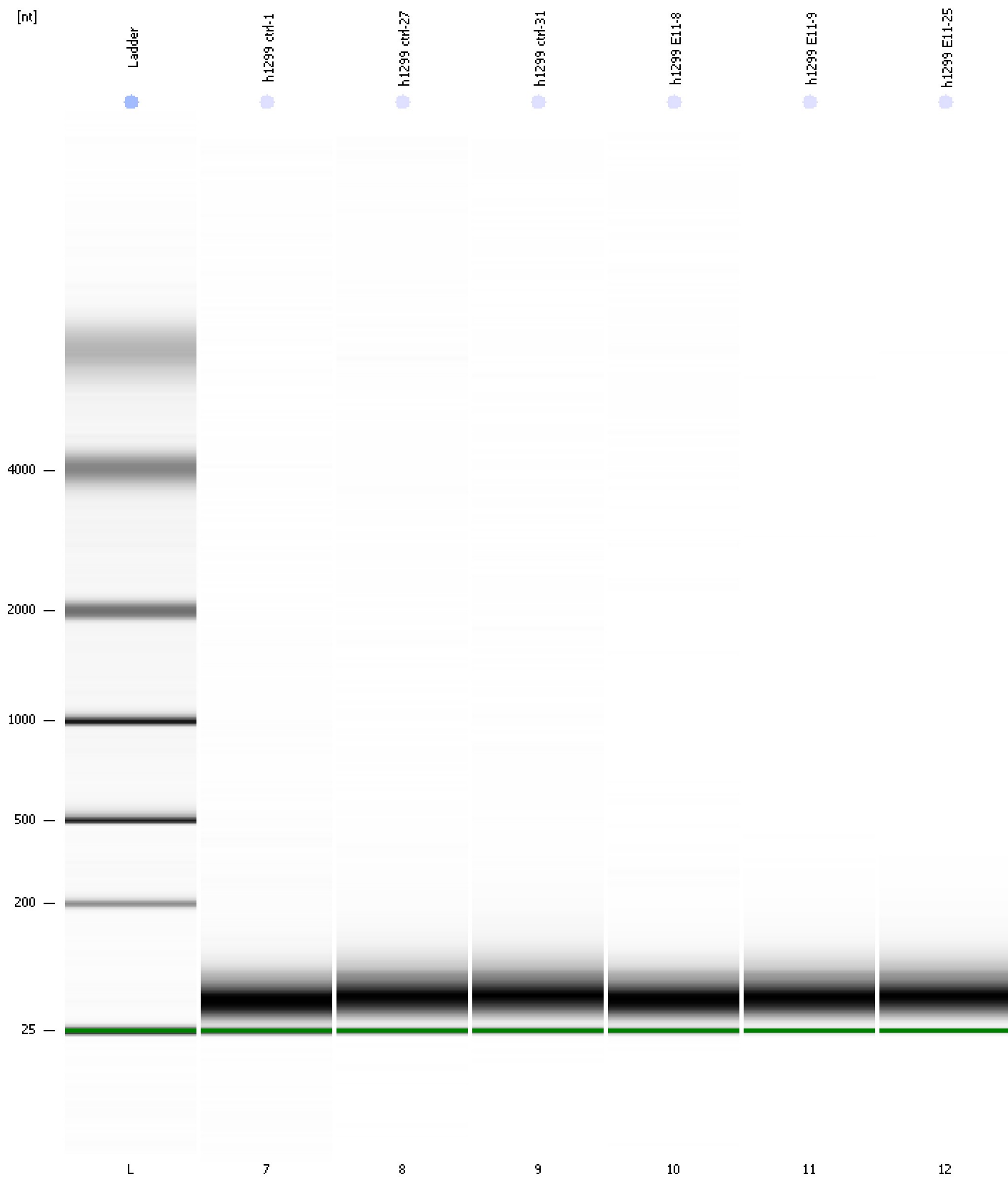
**Overall Results for sample 12 : h1299 E11-25**

RNA Area:	464.0	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	558 ng/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: 2.60

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Gel Image**

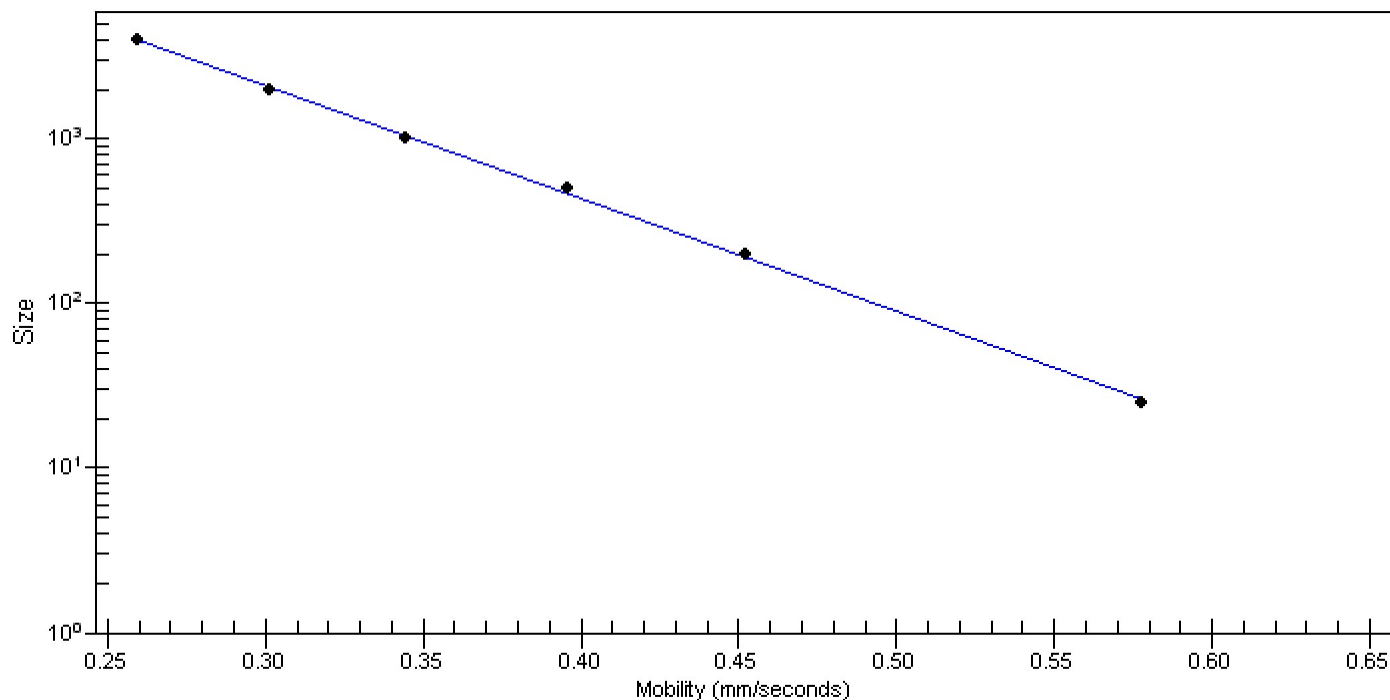


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
Modified: 9/22/2015 1:27:36 PM

**Curves**

**Standard Curve**



Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...15-09-22\2015-09-22\_002\_HiSeq251\_TotRNAQC\_resubmission1.xad

Created: 9/22/2015 12:46:58 PM  
 Modified: 9/22/2015 1:27:36 PM

**Run Logbook**

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		9/22/2015 1:10:46 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyser\2015-09-22\2015-09-22_002.xad)		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		9/22/2015 12:47:03 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1