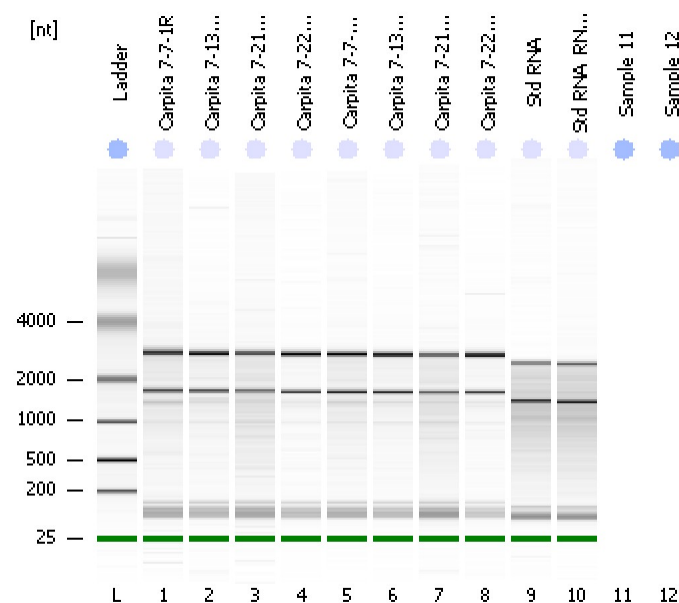


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

Created: 8/9/2010 3:45:43 PM
Modified: 8/9/2010 4:07:04 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: Ann's baby
Serial#: DE24802235

Firmware: C.01.069
Type: G2938B

Assay Information:

Assay Origin Path: D:\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)

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Chip Information:

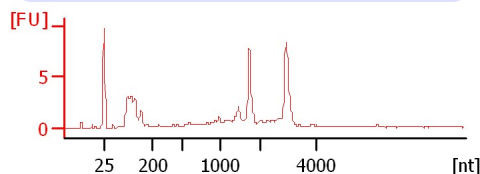
Chip Lot #:

Reagent Kit Lot #:

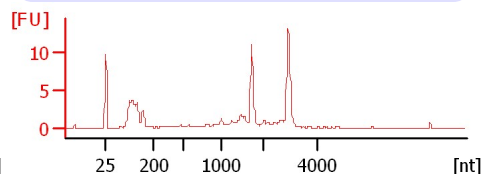
Chip Comments:

Carpita 7-7-1R

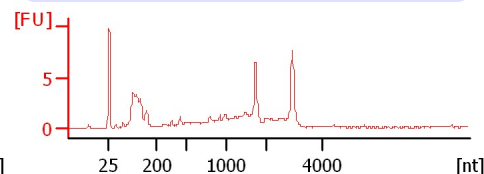
RIN: 7.70

**Carpita 7-13-1R**

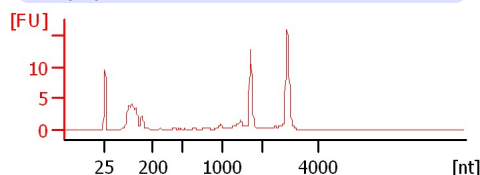
RIN: 7.80

**Carpita 7-21-1R**

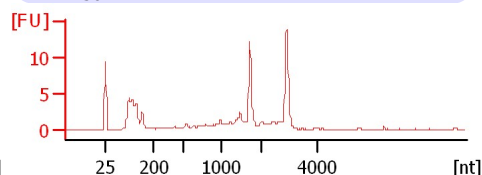
RIN: 6.90

**Carpita 7-22-1R**

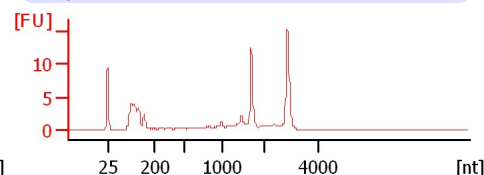
RIN: 8.40

**Carpita 7-7-1R RNasin**

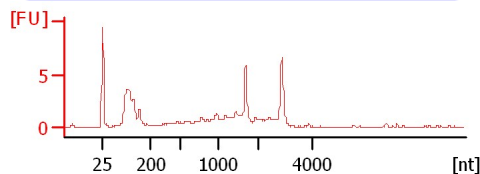
RIN: 7.50

**Carpita 7-13-1R RNasin**

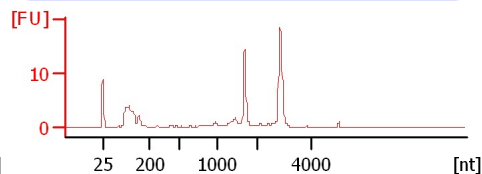
RIN: 8

**Carpita 7-21-1R RNasin**

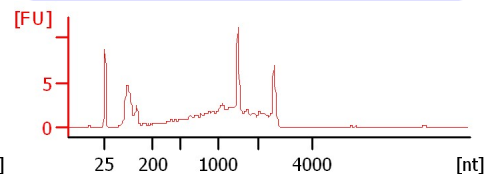
RIN: 6.80

**Carpita 7-22-1R RNasin**

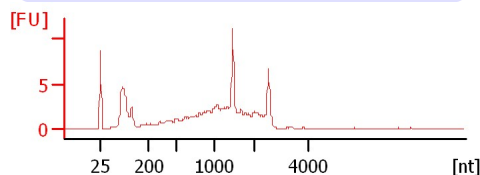
RIN: 8.50

**Std RNA**

RIN: 6.40

**Std RNA RNasin**

RIN: 5.90



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

Created: 8/9/2010 3:45:43 PM
Modified: 8/9/2010 4:07:04 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Carpita 7-7-1R		✓	RIN: 7.70	
Carpita 7-13-1R		✓	RIN: 7.80	
Carpita 7-21-1R		✓	RIN: 6.90	
Carpita 7-22-1R		✓	RIN: 8.40	
Carpita 7-7-1R RNAsin		✓	RIN: 7.50	
Carpita 7-13-1R RNAsin		✓	RIN: 8	
Carpita 7-21-1R RNAsin		✓	RIN: 6.80	
Carpita 7-22-1R RNAsin		✓	RIN: 8.50	
Std RNA		✓	RIN: 6.40	
Std RNA RNAsin		✓	RIN: 5.90	
Sample 11				
Sample 12				

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

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...\Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

Created: 8/9/2010 3:45:43 PM
Modified: 8/9/2010 4:07:04 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 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

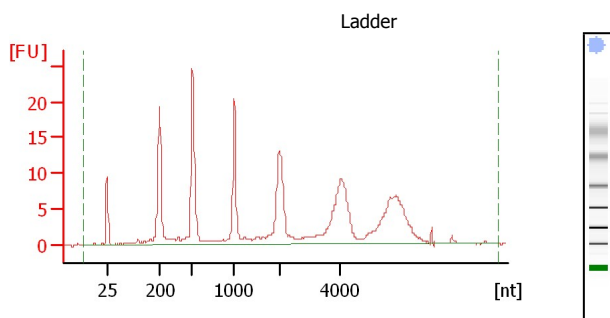
Ladder

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

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

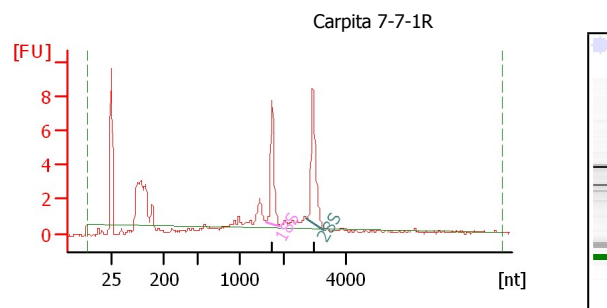
Created: 8/9/2010 3:45:43 PM
 Modified: 8/9/2010 4:07:04 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 245.6
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

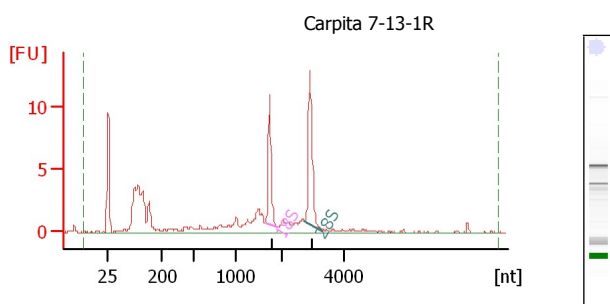


Overall Results for sample 1 : Carpita 7-7-1R

RNA Area: 43.7
 RNA Concentration: 27 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.7 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 1 : Carpita 7-7-1R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,907	7.8	17.9
28S	2,725	3,313	10.5	24.1

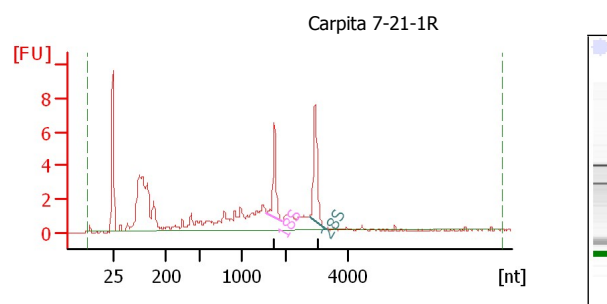


Overall Results for sample 2 : Carpita 7-13-1R

RNA Area: 81.4
 RNA Concentration: 50 ng/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 7.8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.80

Fragment table for sample 2 : Carpita 7-13-1R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,640	1,927	9.7	12.0
28S	2,737	3,295	13.9	17.1



Overall Results for sample 3 : Carpita 7-21-1R

RNA Area: 68.6
 RNA Concentration: 42 ng/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 6.9 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.90

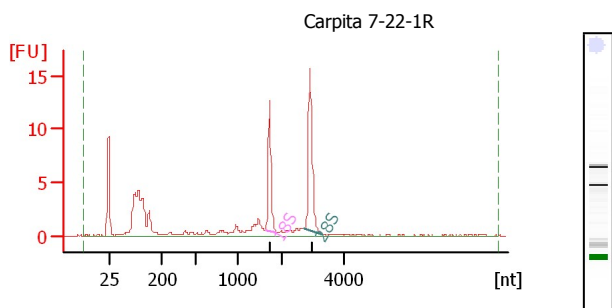
Fragment table for sample 3 : Carpita 7-21-1R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,873	5.6	8.1
28S	2,737	3,266	7.7	11.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

Created: 8/9/2010 3:45:43 PM
 Modified: 8/9/2010 4:07:04 PM

Electropherogram Summary Continued ...

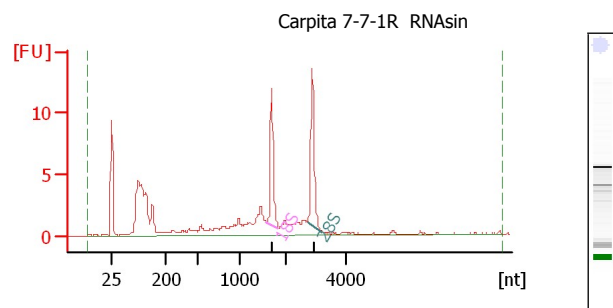


Overall Results for sample 4 : Carpita 7-22-1R

RNA Area: 78.8
 RNA Concentration: 48 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.4 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 4 : Carpita 7-22-1R

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,623	1,863	11.1	14.1
28S	2,669	3,266	17.4	22.1

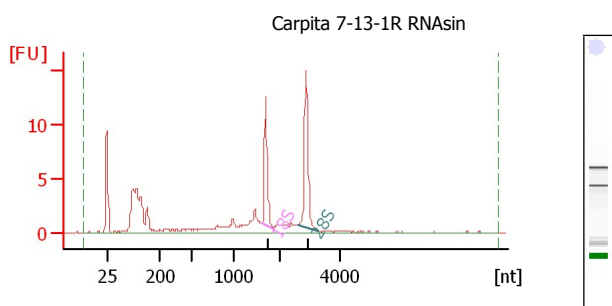


Overall Results for sample 5 : Carpita 7-7-1R RNAsin

RNA Area: 90.2
 RNA Concentration: 55 ng/μl
 rRNA Ratio [28s / 18s]: 1.3
 RNA Integrity Number (RIN): 7.5 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.50

Fragment table for sample 5 : Carpita 7-7-1R RNAsin

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,582	1,861	10.3	11.4
28S	2,711	3,215	13.4	14.9

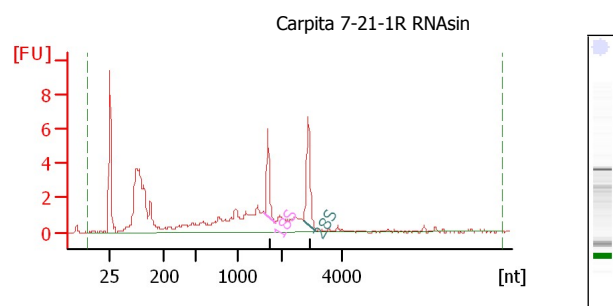


Overall Results for sample 6 : Carpita 7-13-1R RNAsin

RNA Area: 81.9
 RNA Concentration: 50 ng/μl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 6 : Carpita 7-13-1R RNAsin

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,588	1,869	11.1	13.5
28S	2,589	3,273	16.9	20.6



Overall Results for sample 7 : Carpita 7-21-1R RNAsin

RNA Area: 69.8
 RNA Concentration: 43 ng/μl
 rRNA Ratio [28s / 18s]: 1.5
 RNA Integrity Number (RIN): 6.8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.80

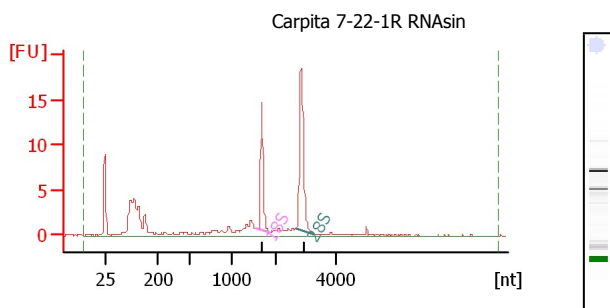
Fragment table for sample 7 : Carpita 7-21-1R RNAsin

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	1,848	4.6	6.6
28S	2,713	3,139	6.8	9.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

Created: 8/9/2010 3:45:43 PM
 Modified: 8/9/2010 4:07:04 PM

Electropherogram Summary Continued ...

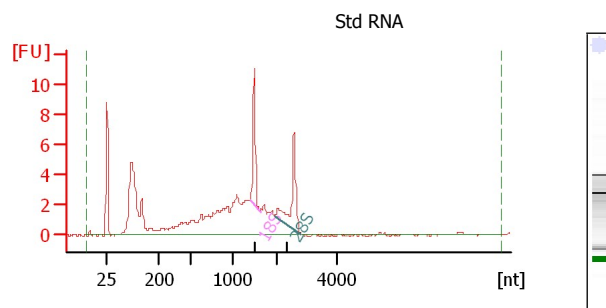


Overall Results for sample 8 : Carpita 7-22-1R RNAsin

RNA Area: 89.1
 RNA Concentration: 54 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 8.5 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.50

Fragment table for sample 8 : Carpita 7-22-1R RNAsin

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,570	1,873	12.8	14.4
28S	2,673	3,269	21.3	23.9

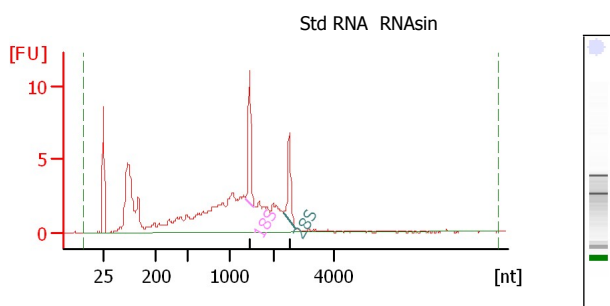


Overall Results for sample 9 : Std RNA

RNA Area: 100.0
 RNA Concentration: 61 ng/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 6.4 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 6.40

Fragment table for sample 9 : Std RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,396	1,624	7.6	7.6
28S	1,947	2,813	9.4	9.4



Overall Results for sample 10 : Std RNA RNAsin

RNA Area: 103.7
 RNA Concentration: 63 ng/μl
 rRNA Ratio [28s / 18s]: 0.8
 RNA Integrity Number (RIN): 5.9 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 5.90

Fragment table for sample 10 : Std RNA RNAsin

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,384	1,575	7.6	7.3
28S	2,353	2,730	5.9	5.7

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...\Eukaryote Total RNA Nano_DE24802235_2010-08-09_15-45-43.xad

Created: 8/9/2010 3:45:43 PM
Modified: 8/9/2010 4:07:04 PM

Gel Image