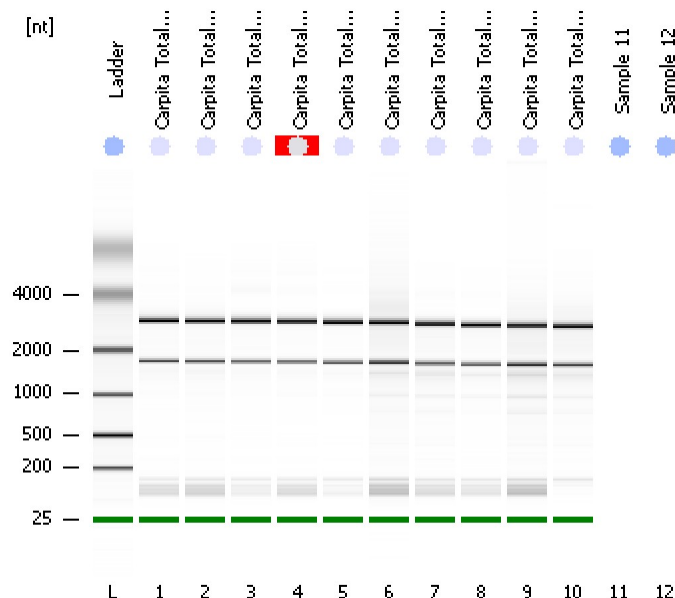


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-12-02_16-49-18.xad

Created: 12/2/2010 4:49:18 PM
Modified: 12/2/2010 5:10:41 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: Ann's baby

Firmware: C.01.069

Serial#: DE24802235

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:

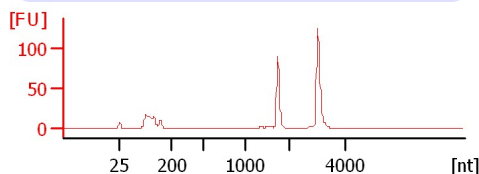
Chip Lot #:

Reagent Kit Lot #:

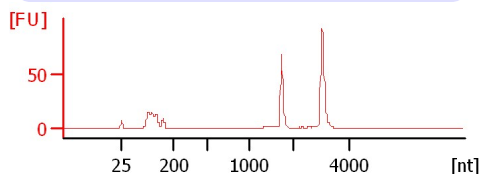
Chip Comments:

Carpita Total RNA as received B-1

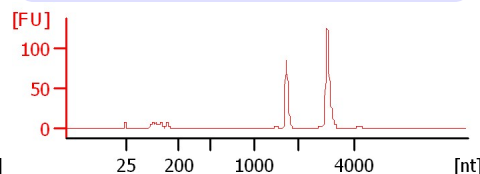
RIN: 9.80

**Carpita Total RNA as received B-2**

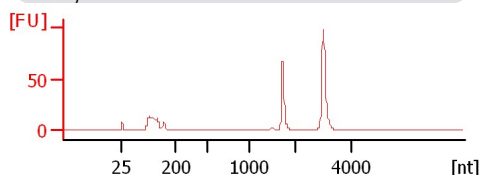
RIN: 9.50

**Carpita Total RNA as received B-3**

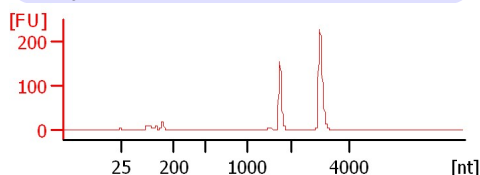
RIN: 10

**Carpita Total RNA as received B-4**

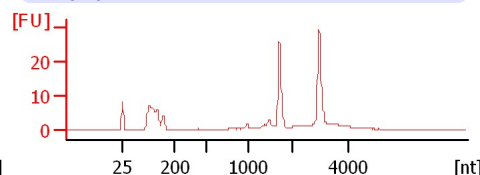
RIN N/A

**Carpita Total RNA as received B-5**

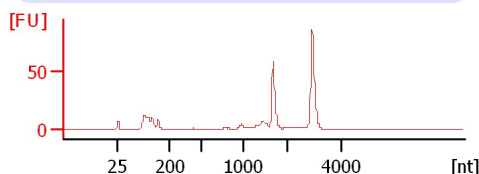
RIN: 10

**Carpita Total RNA as received B-6**

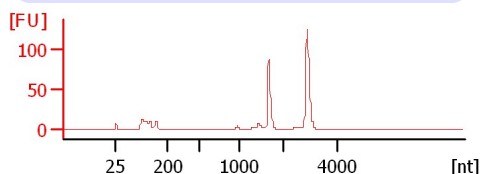
RIN: 8.40

**Carpita Total RNA as received B-7**

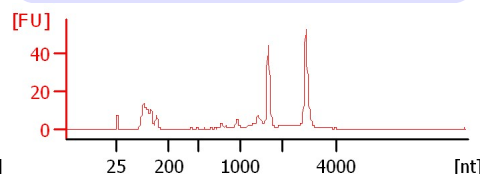
RIN: 8.80

**Carpita Total RNA as received B-8**

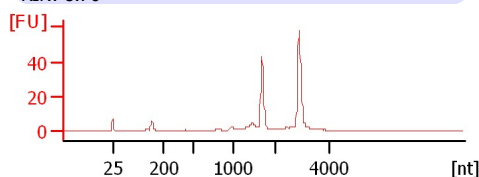
RIN: 9.50

**Carpita Total RNA as received B-9**

RIN: 8

**Carpita Total RNA as received B-10**

RIN: 8.70



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-12-02_16-49-18.xad

Created: 12/2/2010 4:49:18 PM
Modified: 12/2/2010 5:10:41 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Carpita Total RNA as received B-1		✓	RIN: 9.80	
Carpita Total RNA as received B-2		✓	RIN: 9.50	
Carpita Total RNA as received B-3		✓	RIN:10	
Carpita Total RNA as received B-4		✓	RIN N/A	
Carpita Total RNA as received B-5		✓	RIN:10	
Carpita Total RNA as received B-6		✓	RIN: 8.40	
Carpita Total RNA as received B-7		✓	RIN: 8.80	
Carpita Total RNA as received B-8		✓	RIN: 9.50	
Carpita Total RNA as received B-9		✓	RIN:8	
Carpita Total RNA as received B-10		✓	RIN: 8.70	
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_2010-12-02_16-49-18.xad

Created: 12/2/2010 4:49:18 PM
Modified: 12/2/2010 5:10:41 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

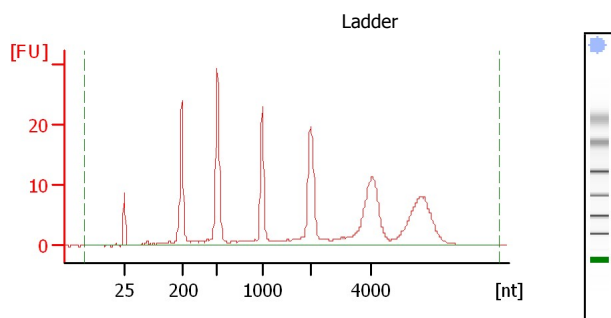
Ladder

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_2010-12-02_16-49-18.xad

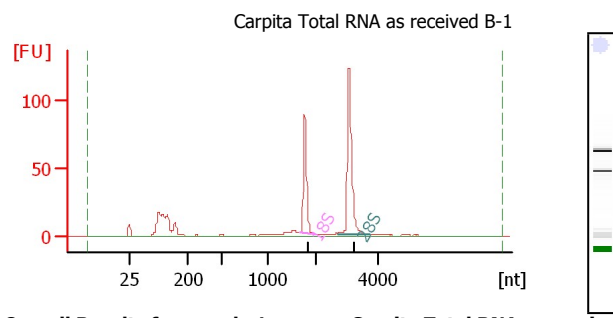
Created: 12/2/2010 4:49:18 PM
 Modified: 12/2/2010 5:10:41 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 265.6
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

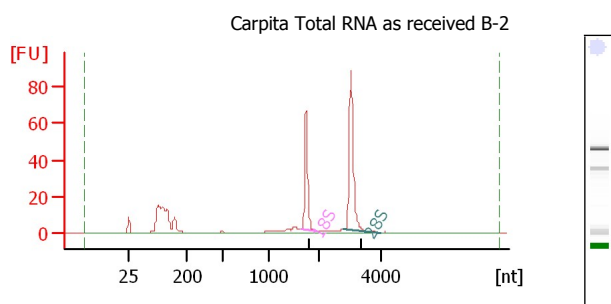


Overall Results for sample 1 : Carpita Total RNA as received B-1

RNA Area: 412.3
 RNA Concentration: 233 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 1 : Carpita Total RNA as received B-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,649	1,968	81.3	19.7
28S	2,656	3,716	144.1	35.0

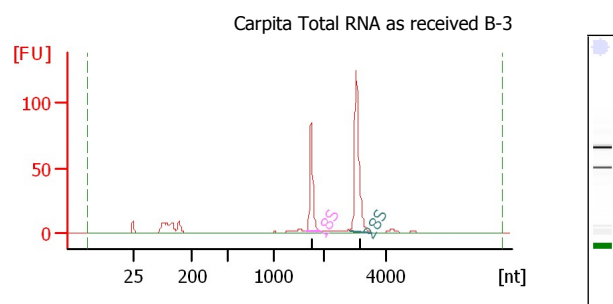


Overall Results for sample 2 : Carpita Total RNA as received B-2

RNA Area: 318.4
 RNA Concentration: 180 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 9.5 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 2 : Carpita Total RNA as received B-2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,641	1,956	59.5	18.7
28S	2,776	3,984	97.3	30.6



Overall Results for sample 3 : Carpita Total RNA as received B-3

RNA Area: 351.3
 RNA Concentration: 198 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 10 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

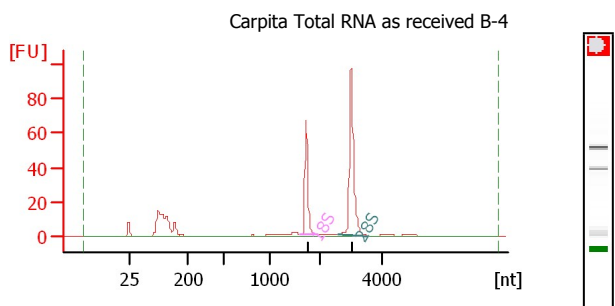
Fragment table for sample 3 : Carpita Total RNA as received B-3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	1,933	78.2	22.3
28S	2,802	3,536	144.4	41.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-12-02_16-49-18.xad

Created: 12/2/2010 4:49:18 PM
 Modified: 12/2/2010 5:10:41 PM

Electropherogram Summary Continued ...

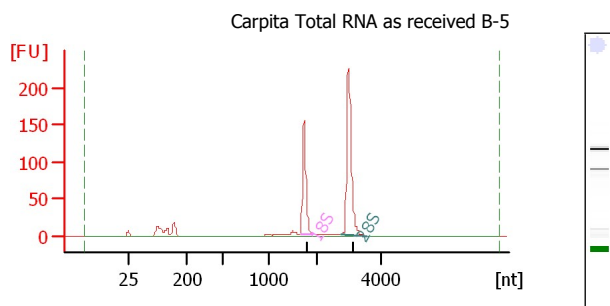


Overall Results for sample 4 : Carpita Total RNA as received B-4

RNA Area: 303.2
 RNA Concentration: 171 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): N/A (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 4 : Carpita Total RNA as received B-4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,627	1,966	60.5	20.0
28S	2,602	3,524	112.3	37.0

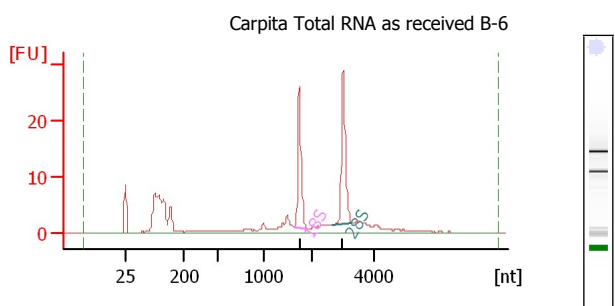


Overall Results for sample 5 : Carpita Total RNA as received B-5

RNA Area: 602.4
 RNA Concentration: 340 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 10 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 5 : Carpita Total RNA as received B-5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,912	150.1	24.9
28S	2,736	3,543	267.3	44.4

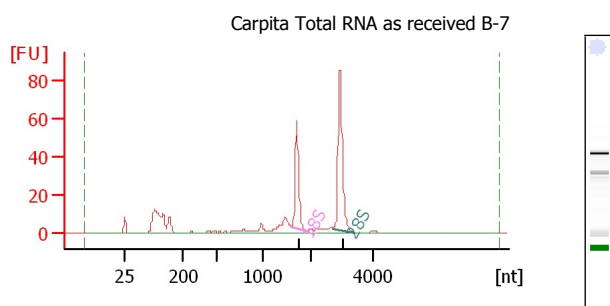


Overall Results for sample 6 : Carpita Total RNA as received B-6

RNA Area: 155.0
 RNA Concentration: 88 ng/μl
 rRNA Ratio [28s / 18s]: 1.2
 RNA Integrity Number (RIN): 8.4 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 6 : Carpita Total RNA as received B-6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,614	1,908	25.1	16.2
28S	2,643	3,281	30.7	19.8



Overall Results for sample 7 : Carpita Total RNA as received B-7

RNA Area: 334.7
 RNA Concentration: 189 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

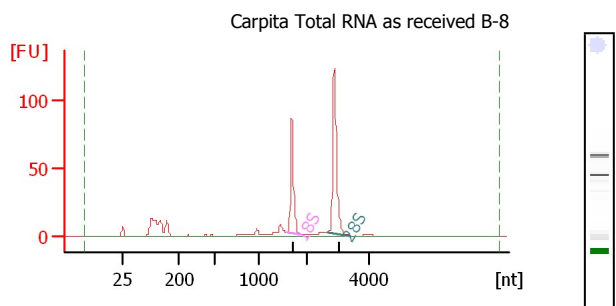
Fragment table for sample 7 : Carpita Total RNA as received B-7

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,887	59.2	17.7
28S	2,684	3,409	97.7	29.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-12-02_16-49-18.xad

Created: 12/2/2010 4:49:18 PM
 Modified: 12/2/2010 5:10:41 PM

Electropherogram Summary Continued ...

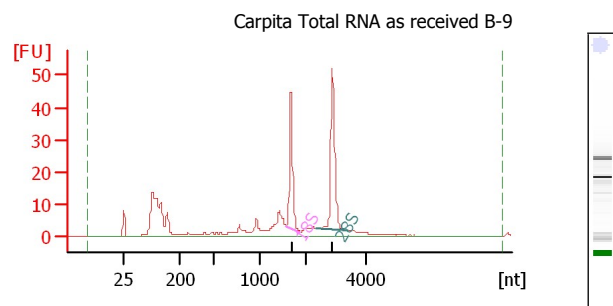


Overall Results for sample 8 : Carpita Total RNA as received B-8

RNA Area: 386.8
 RNA Concentration: 218 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 9.5 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 8 : Carpita Total RNA as received B-8

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,567	1,865	80.1	20.7
28S	2,630	3,417	134.1	34.7

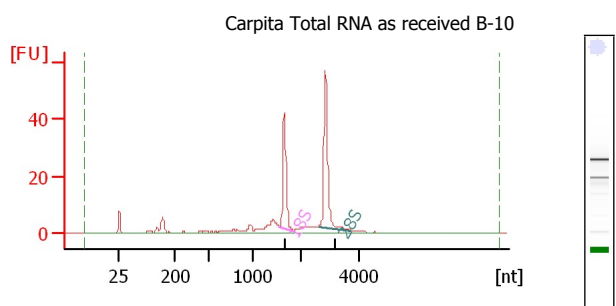


Overall Results for sample 9 : Carpita Total RNA as received B-9

RNA Area: 276.6
 RNA Concentration: 156 ng/μl
 rRNA Ratio [28s / 18s]: 1.4
 RNA Integrity Number (RIN): 8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 9 : Carpita Total RNA as received B-9

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,576	1,868	42.1	15.2
28S	2,323	3,398	57.4	20.8



Overall Results for sample 10 : Carpita Total RNA as received B-

RNA Area: 193.7
 RNA Concentration: 109 ng/μl
 rRNA Ratio [28s / 18s]: 1.6
 RNA Integrity Number (RIN): 8.7 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.70

Fragment table for sample 10 : Carpita Total RNA as received B-1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,551	1,855	39.7	20.5
28S	2,603	3,729	62.0	32.0

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-12-02_16-49-18.xad

Created: 12/2/2010 4:49:18 PM
Modified: 12/2/2010 5:10:41 PM

Gel Image