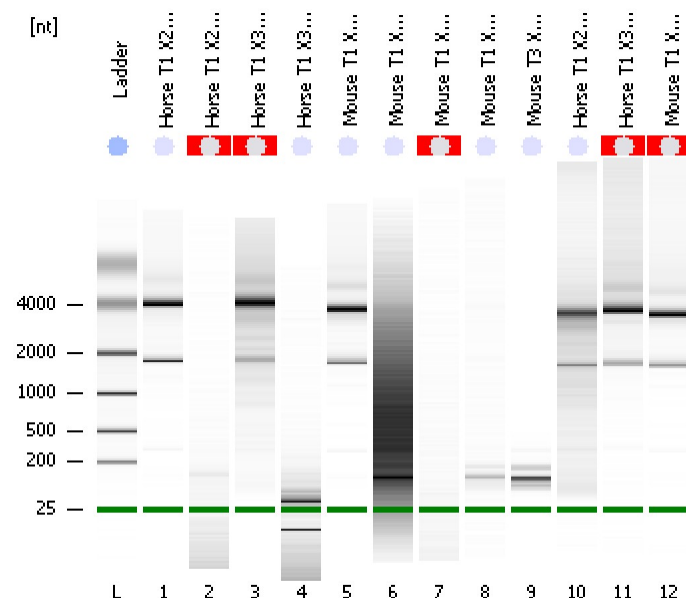


Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

Created: 6/28/2010 2:58:49 PM
Modified: 6/28/2010 3:22:54 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:

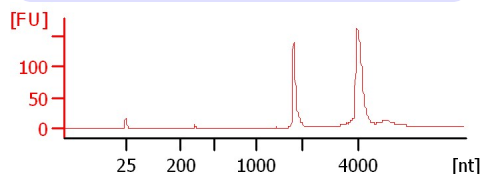
Chip Lot #:

Reagent Kit Lot #:

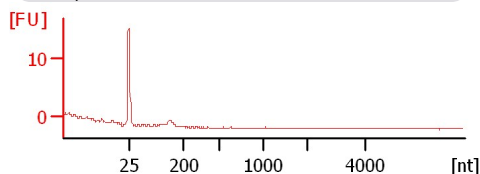
Chip Comments:

Horse T1 X2 Large RNA undiluted

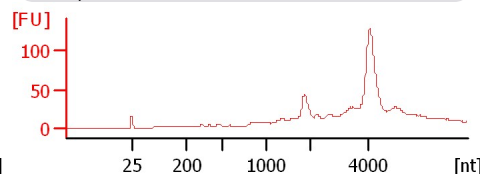
RIN:10

**Horse T1 X2 Small RNA**

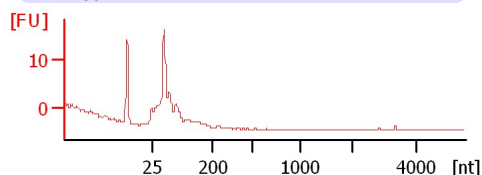
RIN N/A

**Horse T1 X3 Large RNA undiluted**

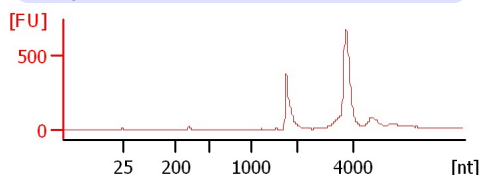
RIN N/A

**Horse T1 X3 Small RNA**

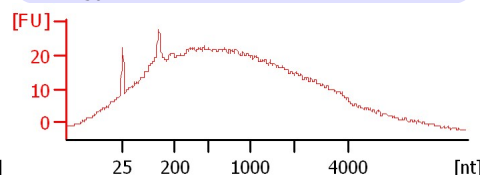
RIN: 2.60

**Mouse T1 X1 Large RNA undiluted**

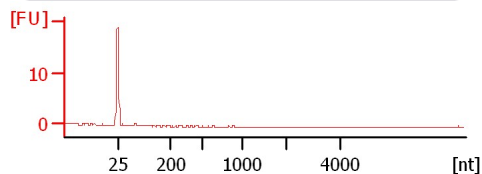
RIN:10

**Mouse T1 X1 Small RNA**

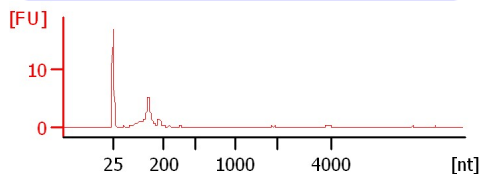
RIN: 2.30

**Mouse T1 X2 Large RNA**

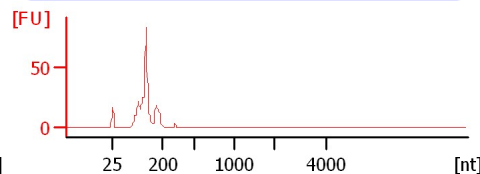
RIN N/A

**Mouse T1 X2 Small RNA**

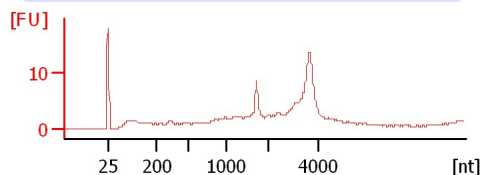
RIN: 2.40

**Mouse T3 X1 Small RNA**

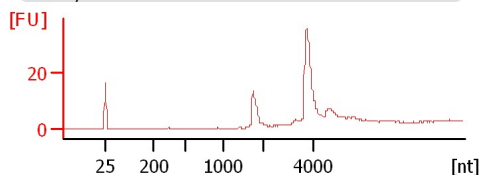
RIN: 2.60

**Horse T1 X2 Large RNA**

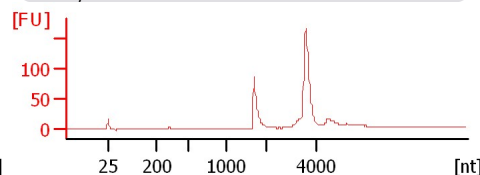
RIN:8

**Horse T1 X3 Large RNA**

RIN N/A

**Mouse T1 X1 Large RNA**

RIN N/A



Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

Created: 6/28/2010 2:58:49 PM
Modified: 6/28/2010 3:22:54 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Horse T1 X2 Large RNA undiluted		✓	RIN:10	
Horse T1 X2 Small RNA		✓	RIN N/A	
Horse T1 X3 Large RNA undiluted		✓	RIN N/A	
Horse T1 X3 Small RNA		✓	RIN: 2.60	
Mouse T1 X1 Large RNA undiluted		✓	RIN:10	
Mouse T1 X1 Small RNA		✓	RIN: 2.30	
Mouse T1 X2 Large RNA		✓	RIN N/A	
Mouse T1 X2 Small RNA		✓	RIN: 2.40	
Mouse T3 X1 Small RNA		✓	RIN: 2.60	
Horse T1 X2 Large RNA		✓	RIN:8	
Horse T1 X3 Large RNA		✓	RIN N/A	
Mouse T1 X1 Large RNA		✓	RIN N/A	

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

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...\Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

Created: 6/28/2010 2:58:49 PM
Modified: 6/28/2010 3:22:54 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

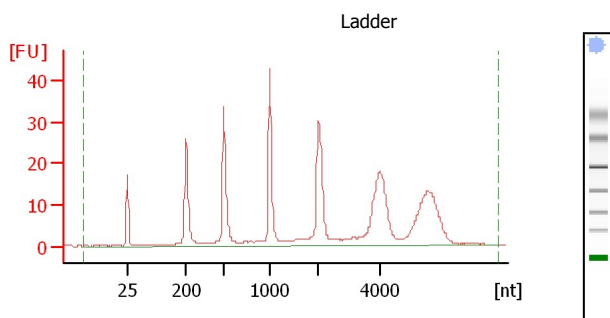
Ladder

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_2010-06-28_14-58-48.xad

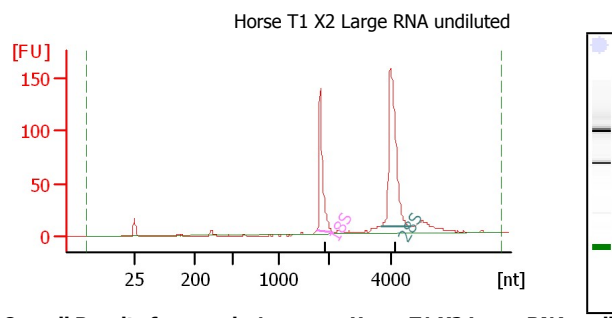
Created: 6/28/2010 2:58:49 PM
Modified: 6/28/2010 3:22:54 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 361.1
RNA Concentration: 150 ng/μl
Result Flagging Color:
Result Flagging Label: All Other Samples

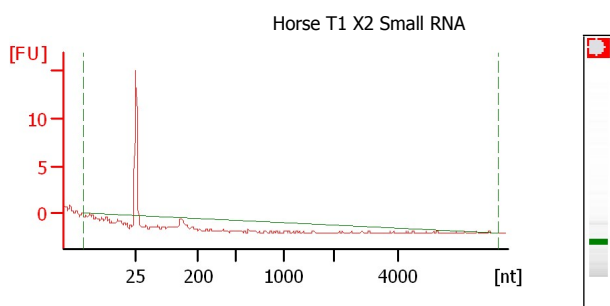


Overall Results for sample 1 : Horse T1 X2 Large RNA undiluted

RNA Area: 547.7
RNA Concentration: 227 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 10 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN:10

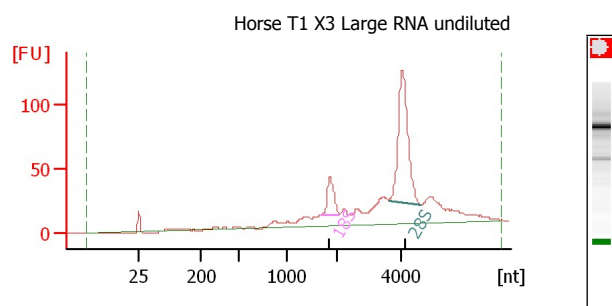
Fragment table for sample 1 : Horse T1 X2 Large RNA undiluted

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,761	2,131	136.0	24.8
28S	3,635	4,588	268.3	49.0



Overall Results for sample 2 : Horse T1 X2 Small RNA

RNA Area: 0.0
RNA Concentration: 0 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN N/A



Overall Results for sample 3 : Horse T1 X3 Large RNA undiluted

RNA Area: 801.0
RNA Concentration: 333 ng/μl
rRNA Ratio [28s / 18s]: 4.5
RNA Integrity Number (RIN): N/A (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN N/A

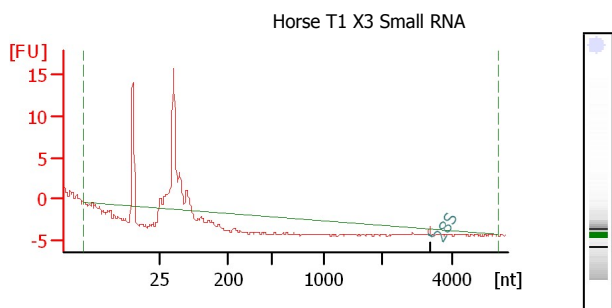
Fragment table for sample 3 : Horse T1 X3 Large RNA undiluted

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	2,073	53.8	6.7
28S	3,588	4,615	239.8	29.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

Created: 6/28/2010 2:58:49 PM
 Modified: 6/28/2010 3:22:54 PM

Electropherogram Summary Continued ...

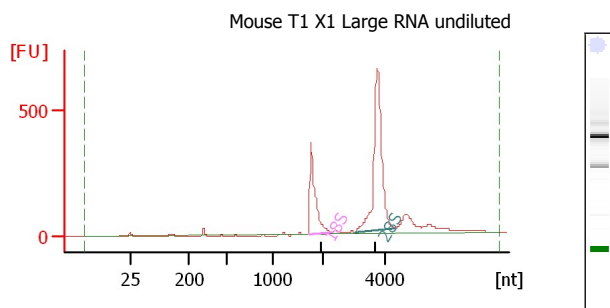


Overall Results for sample 4 : Horse T1 X3 Small RNA

RNA Area: 60.0
 RNA Concentration: 25 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.6 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

Fragment table for sample 4 : Horse T1 X3 Small RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,317	3,423	0.4	0.6

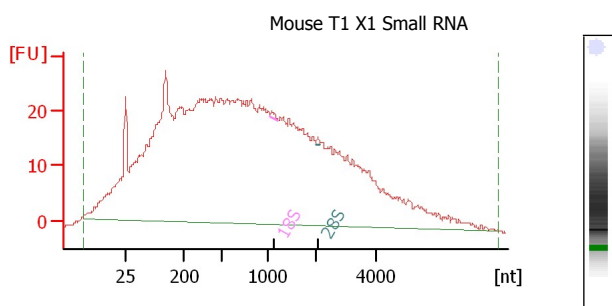


Overall Results for sample 5 : Mouse T1 X1 Large RNA undiluted

RNA Area: 2,423.4
 RNA Concentration: 1,007 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 10 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 5 : Mouse T1 X1 Large RNA undiluted

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,303	545.6	22.5
28S	3,037	4,341	1,263.4	52.1

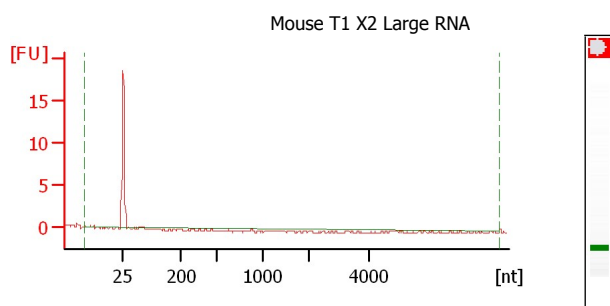


Overall Results for sample 6 : Mouse T1 X1 Small RNA

RNA Area: 1,458.9
 RNA Concentration: 606 ng/μl
 rRNA Ratio [28s / 18s]: 0.6
 RNA Integrity Number (RIN): 2.3 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.30

Fragment table for sample 6 : Mouse T1 X1 Small RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,067	1,241	1.4	0.1
28S	2,009	2,147	0.9	0.1



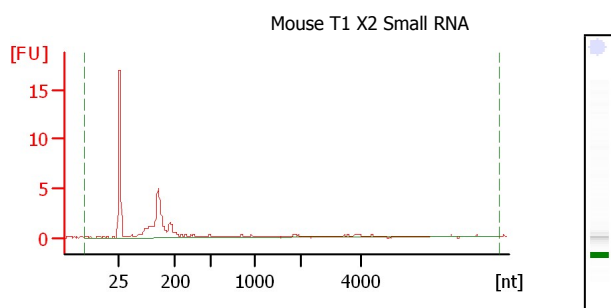
Overall Results for sample 7 : Mouse T1 X2 Large RNA

RNA Area: 1.2
 RNA Concentration: 0 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Assay Class: Eukaryote Total RNA Nano
 Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

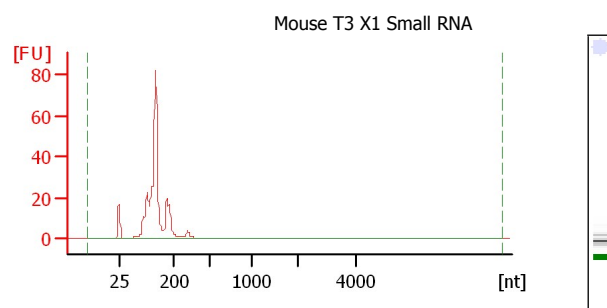
Created: 6/28/2010 2:58:49 PM
 Modified: 6/28/2010 3:22:54 PM

Electropherogram Summary Continued ...



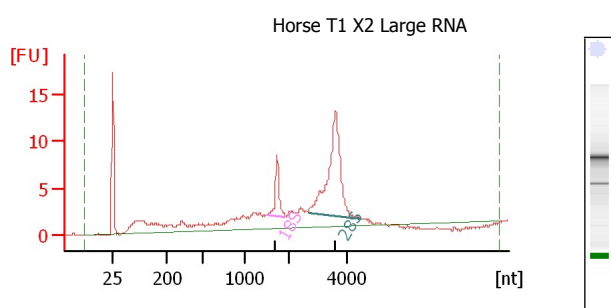
Overall Results for sample 8 : Mouse T1 X2 Small RNA

RNA Area: 25.6
 RNA Concentration: 11 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.4 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.40



Overall Results for sample 9 : Mouse T3 X1 Small RNA

RNA Area: 284.0
 RNA Concentration: 118 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): 2.6 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 2.60

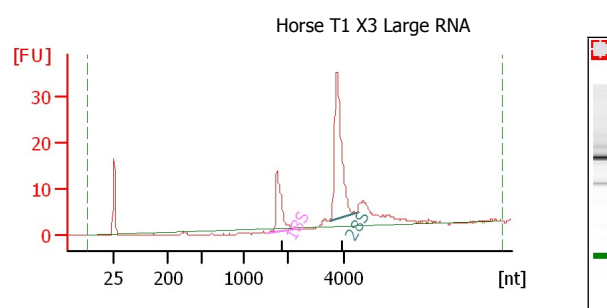


Overall Results for sample 10 : Horse T1 X2 Large RNA

RNA Area: 124.5
 RNA Concentration: 52 ng/μl
 rRNA Ratio [28s / 18s]: 4.9
 RNA Integrity Number (RIN): 8 (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN: 8

Fragment table for sample 10 : Horse T1 X2 Large RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,496	1,906	7.6	6.1
28S	2,651	4,487	36.9	29.6



Overall Results for sample 11 : Horse T1 X3 Large RNA

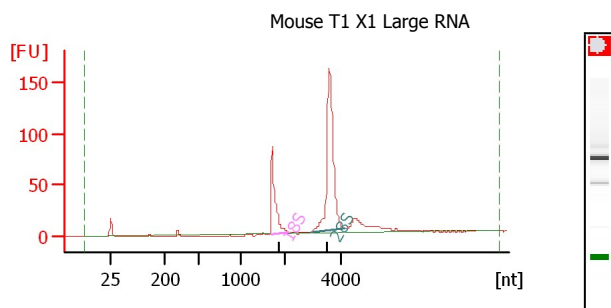
RNA Area: 130.5
 RNA Concentration: 54 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): N/A (B.02.07)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 11 : Horse T1 X3 Large RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,544	2,233	24.0	18.4
28S	3,446	4,374	61.6	47.2

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

Created: 6/28/2010 2:58:49 PM
Modified: 6/28/2010 3:22:54 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : Mouse T1 X1 Large RNA**

RNA Area: 515.3
RNA Concentration: 214 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): N/A (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 12 : Mouse T1 X1 Large RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	2,143	113.3	22.0
28S	2,877	4,089	287.4	55.8

Assay Class: Eukaryote Total RNA Nano
Data Path: D:\...Eukaryote Total RNA Nano_DE24802235_2010-06-28_14-58-48.xad

Created: 6/28/2010 2:58:49 PM
Modified: 6/28/2010 3:22:54 PM

Gel Image