



Instrument Informat	ion:		
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 sensiti	vity (Eukary	ote)
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Chip Information:			
Chip Lot #:			
Reagent Kit Lot #:			
Chip Comments:			





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Assay Class: Eukaryote Total RNA Nano Data Path: D:\...Eukaryote Total RNA Nano\_DE24802235\_2010-07-23\_14-39-33.xad

# Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label
Cmac hypoxia 0-1 as received		×	RIN N/A
Cmac hypoxia 0-2 as received		×	RIN N/A
Cmac hypoxia 0-3 as received		×	RIN N/A
Cmac hypoxia 7DHR-1 as received		$\sim$	RIN N/A
Cmac hypoxia 7DHR-2 as received		×	RIN: 2.30
Cmac hypoxia 7DHR-3 as received		×	RIN N/A
Cmac hypoxia 48H-1 as received		$\sim$	RIN N/A
Cmac hypoxia 48H-2 as received		×	RIN N/A
Cmac hypoxia 48H-3 as received		×	RIN N/A
Human T1X2 L G1 as received		$\sim$	RIN: 9.40
Dog T1X2 L G1 as received		×	RIN: 9.10

Result Color

Created: Modified:

Chip Lot #

Reagent Kit Lot #

**Chip Comments :** 

# 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] : 70Start Analysis Time Range [s] : 19End Analysis Time Range [s] : 69Ladder Concentration  $[ng/\mu l] : 150$ Lower Marker Concentration  $[ng/\mu l] : 0$ Upper Marker Concentration  $[ng/\mu l] : 0$ 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

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## 2100 expert\_Eukaryote Total RNA Nano\_DE24802235\_2010-07-23\_14-39-33.xad

### Assay Class: Eukaryote Total RNA Nano Data Path:

D:\...Éukaryote Total RNA Nano\_DE24802235\_2010-07-23\_14-39-33.xad

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## **Electropherogram Summary**



### **Overall Results for Ladder**

RNA Area:	396.9
RNA Concentration:	150 ng/µl
Result Flagging Color:	
Result Flagging Label:	All Other Samples



18S	1,711	2,137	166.1	53.2
28S	3,122	4,174	13.5	4.3



[nt] Cmac hypoxia 0-3 as received

### % of total Area 58.3 28S 3,212 3,875 13.0 4.2

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**Electropherogram Summary Continued ...** 

Eukaryote Total RNA Nano

Assay Class:

Data Path:



Fragment table for sample 4	: Cmac hypoxia 7DHR-
Result Flagging Label:	RIN N/A
Result Flagging Color:	
RNA Integrity Number (RIN):	N/A (B.02.07)
rRNA Ratio [28s / 18s]:	0.0
RNA Concentration:	103 ng/µl
RNA Area:	272.0

### 1 as received Name Start Size [nt] End Size [nt] Area % of total Area

18S	1,699	2,114	177.6	65.3
28S	3,266	3,482	0.4	0.1



### **Overall Results for sample 5 :**

RNA Area:	28
RNA Concentration:	10
rRNA Ratio [28s / 18s]:	0.
RNA Integrity Number (RIN):	2.
Result Flagging Color:	
Result Flagging Label:	RI





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**Electropherogram Summary Continued ...** 

Eukaryote Total RNA Nano

Assay Class:

Data Path:



Fragment table for sample 8 :	Cmac hypoxia 48H-2 as received
Result Flagging Label:	RIN N/A
Result Flagging Color:	
RNA Integrity Number (RIN):	N/A (B.02.07)
rRNA Ratio [28s / 18s]:	0.1
RNA Concentration:	163 ng/µl
RNA Area:	432.0

#### Name Start Size [nt] End Size [nt] Area % of total Area

18S	1,668	2,092	225.0	52.1
28S	2,933	3,733	13.8	3.2



**Overall Results for sample 9 :** 

Fragment table for sample 9	
Result Flagging Label:	R
Result Flagging Color:	
RNA Integrity Number (RIN):	N/
rRNA Ratio [28s / 18s]:	0.
RNA Concentration:	16
RNA Area:	43

34.3 54 ng/µl .1 'A (B.02.07) RIN N/A

#### Cmac hypoxia 48H-3 as received ample 9

Name Start Size [nt] End Size [nt] Area % of total Area

18S	1,663	2,048	240.9	55.5
28S	2,936	3,880	15.1	3.5







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