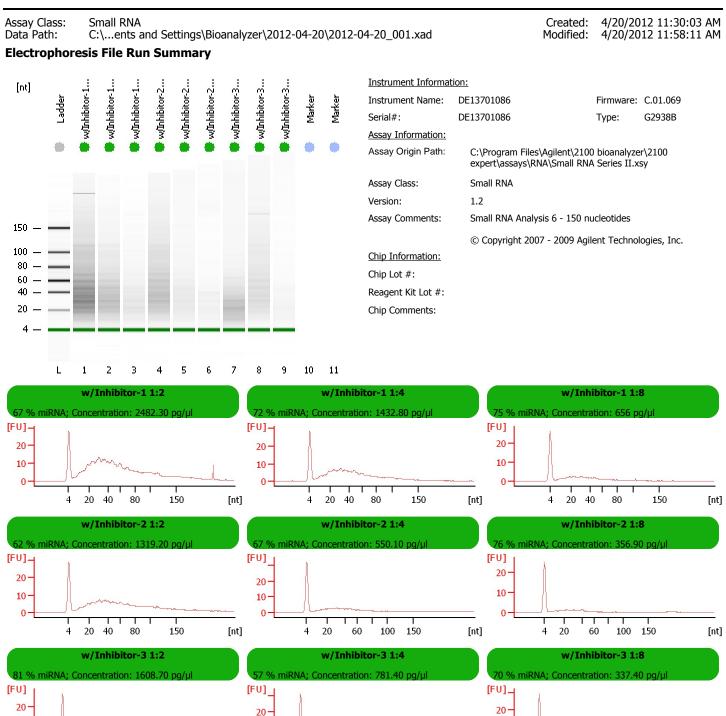
#### 2012-04-20\_001.xad



20

4

60

100 150

10

0

10

0

4 20

60

100 150

[nt]

10

0

20

60

4

[nt]

100 150

[nt]

Marker Ladder

Chip Lot #

**Chip Comments :** 

2012-04-20_001.xad
--------------------

Sample Name	Sample Comment	Status	Result Label	Result Color
w/Inhibitor-1 1:2		~	67 % miRNA;	
			Concentration: 2482.30	
			pg/µl	
w/Inhibitor-1 1:4		$\checkmark$	72 % miRNA;	
			Concentration: 1432.80	
w/Inhibitor 1 1.9			pg/µl	
w/Inhibitor-1 1:8		×	75 % miRNA; Concentration: 656 pg/µl	
w/Inhibitor-2 1:2		~	62 % miRNA;	
			Concentration: 1319.20	
			pg/µl	
w/Inhibitor-2 1:4		×	67 % miRNA;	
			Concentration: 550.10	
			pg/µl	
w/Inhibitor-2 1:8		×	76 % miRNA;	
			Concentration: 356.90	
w/Inhibitor 2 1.2			pg/µl	
w/Inhibitor-3 1:2		×	81 % miRNA; Concentration: 1608.70	
			pg/µl	
w/Inhibitor-3 1:4		~	57 % miRNA;	
			Concentration: 781.40	
			pg/µl	
w/Inhibitor-3 1:8		$\checkmark$	70 % miRNA;	
			Concentration: 337.40	
Maultan			pg/µl	
Marker				

Number of Peaks: 6

Reagent Kit Lot #

#### Assay Class: Small RNA

C:\...ents and Settings\Bioanalyzer\2012-04-20\2012-04-20\_001.xad Data Path:

# Electrophoresis File Run Summary (Chip Summary)

4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM Created: Modified:

Assay Class:	Small RNA
Data Path:	C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad

#### Electrophoresis Assay Details

#### **General Analysis Settings**

Number of Available Sample and Ladder Wells (Max.) : 12 Minimum Visible Range [s] : 30 Maximum Visible Range [s] : 90

Start Analysis Time Range [s] : 31End Analysis Time Range [s] : 89Ladder Concentration  $[pg/\mu] : 2500$ Lower Marker Concentration  $[pg/\mu] : 500$ Upper Marker Concentration  $[pg/\mu] : 0$ Used Lower Marker for Quantitation Standard Curve Fit is Logarithmic Show Data Aligned to Lower Marker

#### **Integrator Settings**

Integration Start Time [s] : 30 Integration End Time [s] : 89 Slope Threshold : 0.6 Height Threshold [FU] : 3 Area Threshold : 0.2 Width Threshold [s] : 0.5 Baseline Plateau [s] : 60

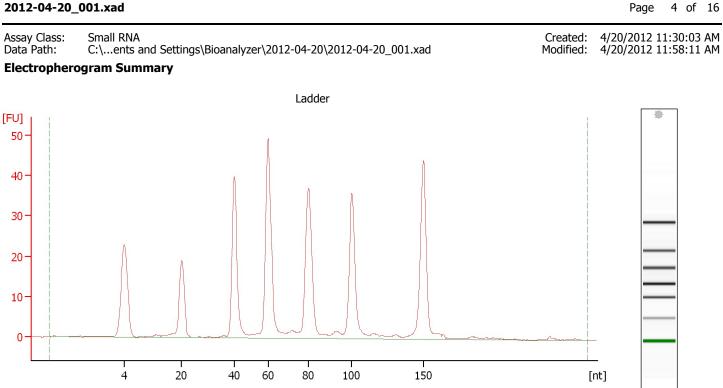
#### **Filter Settings**

Filter Width [s] : 0.5 Polynomial Order : 4

## Ladder

Ladder Peak	Size
1	4
2	20
3	40
4	60
5	80
6	100
7	150

Created: 4/20/2012 11:30:03 AM Modified: 4/20/2012 11:58:11 AM



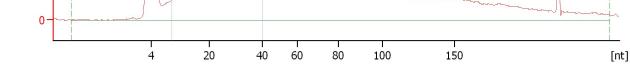
#### **Overall Results for Ladder**

Result Flagging Color:

Result Flagging Label:

Number of Peaks: 6

2012-04-20_	_001.xad		Page 5 of 16
Assay Class: Data Path: Electrophere	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM		
	w/Inhibitor-1 1:2		
[FU]-			•
25-			
20-			
15-			
10-			
5-	1 million manual		



# Overall Results for sample 1 :

Small RNA Concentration [pg/µl]:	3,724.9	Result Flagging Color:	
miRNA Concentration [pg/µl]: miRNA / Small RNA Ratio [%]:	2,482.3 67	Result Flagging Label:	67 % miRNA; Concentration:
	01		2482.30 pg/µl

w/Inhibitor-1 1:2

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Tota	l Col or
Small RNA	0	256	66	86.0	3,724.9	100	
miRNA	10	40	26	31.5	2,482.3	67	

2012-04-20_	001.xad		Page 6 of 16
Assay Class: Data Path: <b>Electrophere</b>	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad ogram Summary Continued	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
	w/Inhibitor-1 1:4		
[FU] _ 25 - 20 - 15 - 10 - 5 -			
0	4 20 40 60 80 100 150		
		L	nt]

# Overall Results for sample 2 :

w	/Inhibitor-1 1:4	
---	------------------	--

Small RNA Concentration [pg/µl]:	2,000.0	Result Flagging Color:	
miRNA Concentration [pg/µl]:	1,432.8	Result Flagging Label:	72 % miRNA;
miRNA / Small RNA Ratio [%]:	72		Concentration: 1432.80 pg/µl

Region table for sample 2 : w/Inhibitor-1 1:4

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Tota	l Col or
Small RNA	0	252	52	95.6	2,000.0	100	
miRNA	10	40	26	32.1	1,432.8	72	

2012-04-20_	001.xad		Page 7 of 16
Assay Class: Data Path:	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
Electropher	ogram Summary Continued		
	w/Inhibitor-1 1:8		
[FU] 25- 20- 15-			
10-			
5-			
	4 20 40 60 80 100 150	[	

# Overall Results for sample 3 :

Small RNA Concentration [pg/µl]:	
miRNA Concentration [pg/µl]:	
miRNA / Small RNA Ratio [%]:	

#### w/Inhibitor-1 1:8

mall RNA Concentration [pg/µl]:	879.5	Result Flagging Color:	
iRNA Concentration [pg/µl]:	656.0	Result Flagging Label:	75 % miRNA;
iRNA / Small RNA Ratio [%]:	75		Concentration: 656 pg/µl

**Region table for sample 3** : w/Inhibitor-1 1:8

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total Col or	
Small RNA	0	250	38	100.0	879.5	100	
miRNA	10	40	24	34.3	656.0	75	

2012-04-20_	001.xad		Page 8 of 16
Assay Class: Data Path:	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
Electropher	ogram Summary Continued		
	w/Inhibitor-2 1:2		
(FU) 25 - 20 - 15 - 10 - 5 -			-
			_
	4 20 40 60 80 100 150	[	nt]

# Overall Results for sample 4 :

w/Inhibitor-2 1:2

Small RNA Concentration [pg/µl]:	2,121.6	Result Flagging Color:	
miRNA Concentration [pg/µl]:	1,319.2	Result Flagging Label:	62 % miRNA;
miRNA / Small RNA Ratio [%]:	62		Concentration: 1319.20 pg/µl

Region table for sample 4 : <u>w/Inhibitor-2 1:2</u>

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total Col or
Small RNA	0	256	69	87.9	2,121.6	100
miRNA	10	40	26	31.5	1,319.2	62

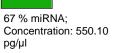
2012-04-20 <u></u>	001.xad		Page 9 of 16
Assay Class: Data Path: Electropher	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad ogram Summary Continued	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
	w/Inhibitor-2 1:4		
[FU]			•
30 -	A		
25-			
20-			
15-			
10-			
5-			
0			_
	4 20 40 60 80 100 150	[	nt]

## Overall Results for sample 5 :

Small RNA Concentration [pg/µl]:
miRNA Concentration [pg/µl]:
miRNA / Small RNA Ratio [%]:

# w/Inhibitor-21:4

entration [pg/µl]:	820.6	Result Flagging Color:
ation [pg/µl]:	550.1	Result Flagging Label:
NA Ratio [%]:	67	



Region table for sample 5 :	w/Inhibitor-21:4
-----------------------------	------------------

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Tota	l Col or
Small RNA	0	265	59	100.0	820.6	100	
miRNA	10	40	25	33.6	550.1	67	

2012-04-20_	001.xad		Page 10 of 16
Assay Class: Data Path: <b>Electropher</b> e	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad Digram Summary Continued	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
•	w/Inhibitor-2 1:8		
[FU] 25 - 20 - 15 - 10 -			
5-	1     1     1     1     1     1       4     20     40     60     80     100     150	<u> </u>	 [nt]

## Overall Results for sample 6 :

Small RNA Concentration [pg/µl]:
miRNA Concentration [pg/µl]:
miRNA / Small RNA Ratio [%]:

# w/Inhibitor-2 1:8

470.4	Result Flagging Color:
356.9	Result Flagging Label:
76	

76 % miRN	NA;
Concentra	tion: 356.90
pg/µl	

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Tota	l Col or
Small RNA	0	275	44	100.0	470.4	100	
miRNA	10	40	25	35.1	356.9	76	

2012-04-20_	_001.xad		Page 11 of 16
Assay Class: Data Path: Electrophere	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad ogram Summary Continued	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
-	w/Inhibitor-3 1:2		
[FU]		ļ	
25 -			
20-			
15-			
10-			
5-			
0			
	4 20 40 60 80 100 150	[	nt]

# Overall Results for sample 7 :

w/Inhibitor-3 1:2

Small RNA Concentration [pg/µl]:	1,985.6	Result Flagging Color:	
miRNA Concentration [pg/µl]:	1,608.7	Result Flagging Label:	81 % miRNA;
miRNA / Small RNA Ratio [%]:	81		Concentration: 1608.70 pg/µl

Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total C	Col or
Small RNA	0	284	52	100.0	1,985.6	100	
miRNA	10	40	23	35.1	1,608.7	81	

2012-04-20_	001.xad		Page 12 of 16
Assay Class: Data Path: <b>Electropher</b> e	Small RNA C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad Sogram Summary Continued	Created: Modified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
	w/Inhibitor-3 1:4		
[FU] 30 - 25 - 20 - 15 - 10 - 5 - 0 -			

## **Overall Results for sample 8 :**

w	/Inhibitor-3	<u>1:4</u>
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Small RNA Concentration [pg/µl]:	1,373.3	Result Flagging Color:
miRNA Concentration [pg/µl]:	781.4	Result Flagging Label:
miRNA / Small RNA Ratio [%]:	57	

57 % miRNA;
Concentration: 781.40
pg/µl

Region table for sample 8 :	w/Inhibitor-3 1:4
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Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Tota	l Col or
Small RNA	0	293	79	95.4	1,373.3	100	
miRNA	10	40	26	32.0	781.4	57	

2012-04-20_001.xad		Page 13 of 16
Assay Class: Small RNA Data Path: C:\ents and Settings\Bioanalyzer\2012-04-20\2012-04-20_001.xad N Electropherogram Summary Continued	Created: 4/20, Aodified: 4/20,	/2012 11:30:03 AM /2012 11:58:11 AM
w/Inhibitor-3 1:8 [FU] 30- 25- 20- 15- 10- 5- 0- 4 20 40 60 80 100 150	[nt]	

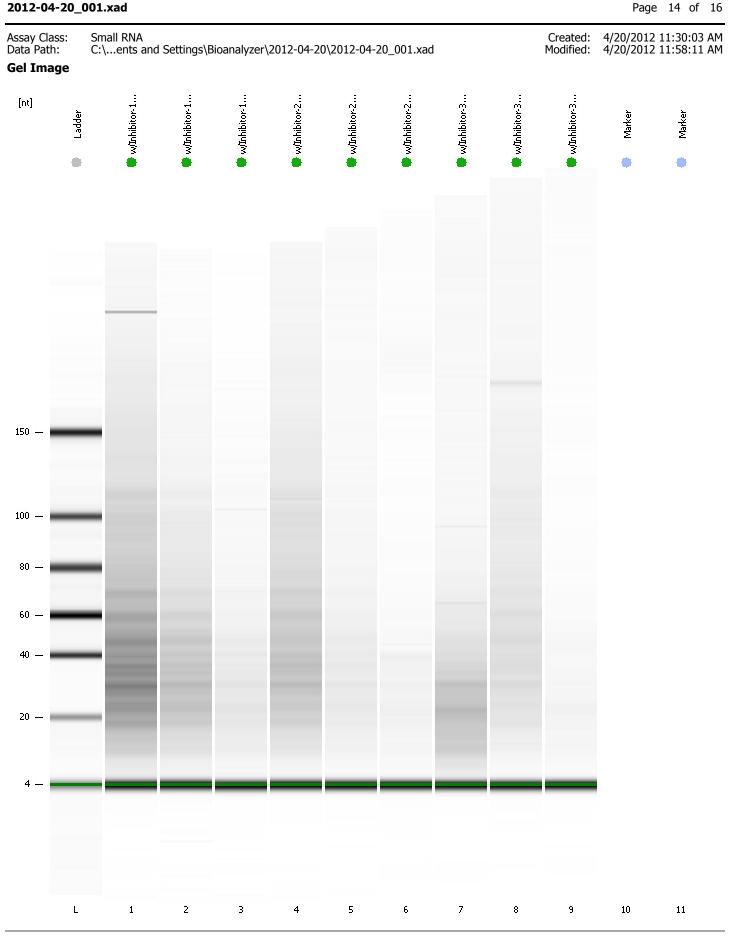
#### Overall Results for sample 9 :

Small RNA Concentration [pg/µl]:
miRNA Concentration [pg/µl]:
miRNA / Small RNA Ratio [%]:

## w/Inhibitor-3 1:8

Small RNA Concentration [pg/µl]:	482.3	Result Flagging Color:	
niRNA Concentration [pg/µl]:	337.4	Result Flagging Label:	70 % miRNA;
niRNA / Small RNA Ratio [%]:	70		Concentration: 337.40 pg/µl

Region table for sample 9 : <u>w/Inhibitor-3 1:8</u>							
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV [%]	Conc. [pg/µl]	% of Total	Col or
Small RNA	0	300	57	100.0	482.3	100	
miRNA	10	40	23	36.2	337.4	70	



Assay Class: Small RNA Data Path: C:\...ents and Settings\Bioanalyzer\2012-04-20\2012-04-20\_001.xad Invalid Samples

-

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.

Created: 4/20/2012 11:30:03 AM Modified: 4/20/2012 11:58:11 AM

Assay Class: Data Path:	Small RNA C:\ents and	d Settings\Bioan	alyzer\2012-04-	20\2012-04-20_0	01.xad		eated: dified:	4/20/2012 11:30:03 AM 4/20/2012 11:58:11 AM
Run Logbook								
Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		4/20/2012 11:58:09 AM	(GMT07:00) Pacific Standard Time	UC Dav	<i>i</i> s D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2012-04-20 \2012-04-20_00 1.xad)	)	Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		vis D8XSMGH1
Product Number : G2938B		Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		vis D8XSMGH1
Name :		Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		<i>i</i> is D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		vis D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		vis D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		vis D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/20/2012 11:30:09 AM	(GMT07:00) Pacific Standard Time		<i>i</i> is D8XSMGH1