

Instrument Information:

Ξ

 σ

 ∞

Assay Class: Small RNA C:\...ents and Settings\Bioanalyzer\2012-03-02\2012-03-02_003.xad Data Path:

LC.

Electrophoresis File Run Summary

2012-03-02_003.xad

[s]

2100 Expert (B.02.08.SI648)

Printed: 3/2/2012 10:37:27 AM

Created: 3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM Modified:

[©] Copyright 2003 - 2009 Agilent Technologies, Inc.

2012-03-02_003.xad

3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM

Created: Modified:

Electrophore	esis File Run Summary (Chip Summary)
Data Path:	C:\ents and Settings\Bioanalyzer\2012-03-02\2012-03-02_003.xad
Assay Class:	Small RNA

Sample Name	Sample Comment	Status	Result Label	Result Color
Sample 1		~	Number of Peaks: 3	
Sample 2		× .	All Other Samples	
Sample 3		×	All Other Samples	
Sample 4		×	All Other Samples	
Sample 5		×	Number of Peaks: 13	
Sample 6		×	All Other Samples	
Sample 7		×	Number of Peaks: 3	
Sample 8		×	All Other Samples	
Sample 9		~	All Other Samples	
Sample 10		~	All Other Samples	
Sample 11			Number of Peaks: 10	
Ladder		¥	All Other Samples	

Reagent Kit Lot #

Chip Lot #

Chip Comments :

Integrator Settings

Minimum Visible Range [s] : 30Maximum Visible Range [s] : 90Start 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

Number of Available Sample and Ladder Wells (Max.): 12

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

Assay Class: Small RNA Created:	3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM
Data Path: C:\ents and Settings\Bioanalyzer\2012-03-02\2012-03-02_003.xad Modified:	3/2/2012 10:35:31 AM
Electropherogram Summary	
Ladder	
FU] 10- 8- 6- 4- 2- 0- -2-	
30 40 50 60 70 80 [s	;]

Result Flagging Label:

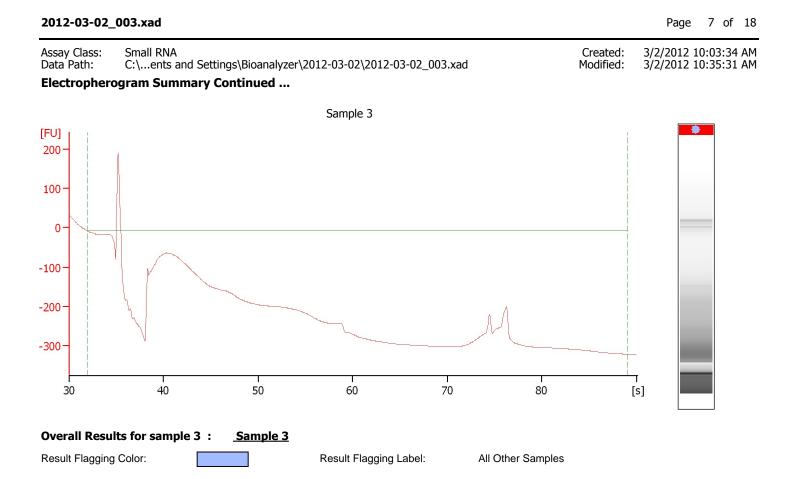
All Other Samples

Overall Results for Ladder

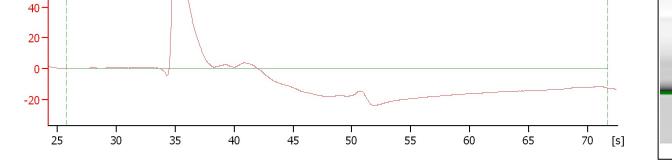
Result Flagging Color:

2012-03-02	_003.xad						Page	5 of	f 18
Assay Class: Data Path:	Small RNA C:\ents and	Settings\Bioanalyze	r\2012-03-02\2012-03-	02_003.xad	1	Created: Modified:	3/2/2012 3/2/2012	10:03:3 10:35:3	4 AM 1 AM
Electrophe	rogram Summa	ry Continued							
			Sample 1						
[FU]			·			1	H		
200-									
150 -									
100-									
50 -									
0	- U								
	1 40	1 50	60	70	1 80	[;	- s]		
Overall Res	ults for sample 1	1 : <u>Sample 1</u>							
Result Flaggir	ng Color:		Result Flagging La	bel: N	lumber of Peaks: 3				
-	e for sample 1 : rom [nt] To [nt]	Average Size	Size distribution in C		% of Total Col				
Small RNA -1	l -1		[%] 0.0	[pg/µl] 0.0	-1 or				

Assay Class: Data Path:	Small RNA C:\ents and Se	ttings\Bioanalyzer\	2012-03-02\2012-0	3-02_003.xad		reated: odified:	3/2/2012 10:03:34 3/2/2012 10:35:31
Electropher	ogram Summary	Continued					
			Sample 2				
[FU] 1.0-	with						
0.5-							
0.0- -0.5-							
-1.0-	L.			(home of	man management	www.www.	
-1.5-	h.	hunnar	many m				
-2.0-	J. M. M.	www.	S S				
-2.5-				wind			
1 30	40	50	60	70	80	[:	5]



2012-03-02	_003.xad	Page	8 of 18
Assay Class: Data Path:	Small RNA C:\ents and Settings\Bioanalyzer\2012-03-02\2012-03-02_003.xad		0:03:34 AM 0:35:31 AM
Electropher	ogram Summary Continued		
	Sample 4		
[FU]	D.		E.
100-	\backslash		



Overall Results for sample 4 : <u>Sample 4</u>

Result Flagging Color:

80-

60-

Result Flagging Label: All Other Samples

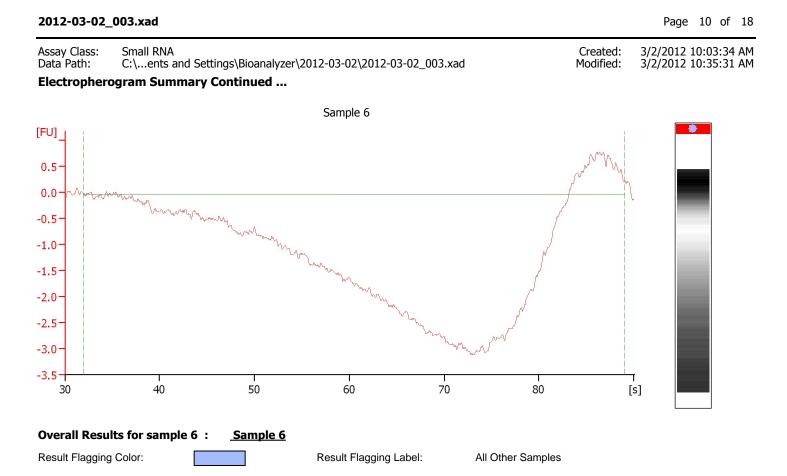
% of Total Col

-1

or

Region ta	ble for san	nple 4 :	Sample 4		
Name	From [nt]	To [nt]	Average Size [nt]	Size distribution in CV	Conc. [pg/µl]
Small RNA	-1	-1	0	0.0	0.0

2012-03-02_	_003.xad							Page 9 of 18
Assay Class: Data Path: Electrophere	Small RNA C:\ents and ogram Summa	Settings\Bioanaly		2\2012-03-02	_003.xad		Created: Modified:	3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM
			Samp	le 5				
[FU] 20- 15- 10- 5- -5- -10- -15-			~~~~~					
	25 30	35	40	45	50	55	60	[s]
Result Flagging			Result	Flagging Labe	1:	Number of Peaks	:: 13	
-	e for sample 5 om [nt] To [nt] -1			ution in CV	Conc. [pg/μl] 0.0	% of Total	Col or	



2012-03-02_	_003.xad							Page 11 of 18
Assay Class: Data Path: Electrophere	Small RNA C:\ents and ogram Summa	-	alyzer\2012-03- d	02\2012-03-0	02_003.xad		Created: Modified:	3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM
			Sam	ple 7				
[FU] 50 - 40 - 30 - 20 - 10 - - 10 - - 10 - - 20 - - 20 - - 30 -						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
L_i	1 I 30 35	1 40	45 50	55	60	65 70	75	[s]
Overall Resu Result Flagging	Its for sample 2 Color:	7 : <u>Samp</u>		t Flagging Lab	el:	Number of Peaks:	3	
-	for sample 7 : om [nt] To [nt] -1			bution in CV	Conc. [pg/µl] 0.0	% of Total C o -1		

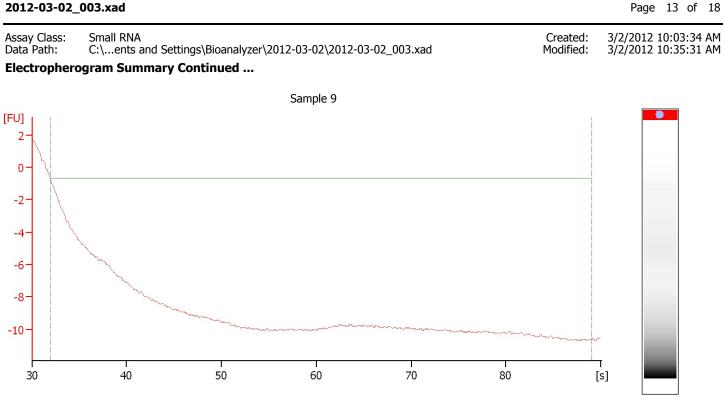
2012-03-02_	_003.xad						Page 12 of 18
Assay Class: Data Path:	Small RNA C:\ents and Setti		reated: odified:	3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM			
Electropher	ogram Summary C	Continued					
			Sample 8				
[FU]						ł	•
1.0-			Mun				
0.8-		(
0.6		A N	1				
0.4-		Mar Mar M	h	les and the second s			
0.2-	Δ	N	MV	h		M	
0.0-	ment May			h and	Nun	may	Ļ
-0.2	N my c	r.		Jan Martin	hy	Mal	
-0.4-	Not May and				have a source	v 	
-0.8-	v				and Mar	t i	
	1	1	1				т
30	40	50	60	70	80	[[s]
Overall Resu	Its for sample 8 :	Sample 8					

 $\ensuremath{\textcircled{C}}$ Copyright 2003 - 2009 Agilent Technologies, Inc.

Result Flagging Color:

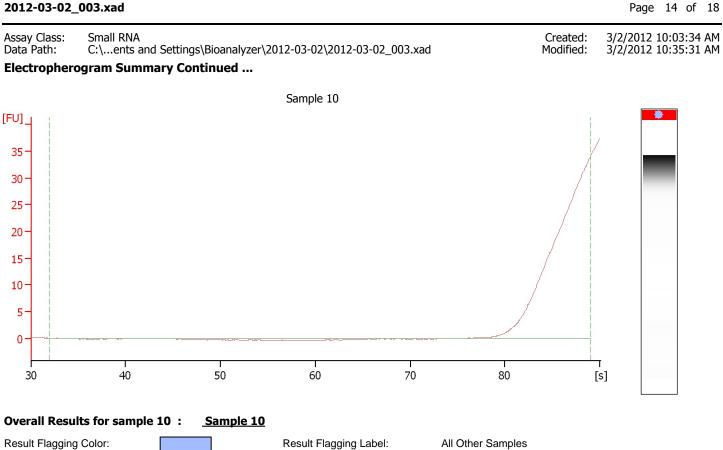
Result Flagging Label: All Other Samples

Printed:



Overall Results for sample 9 : <u>Sample 9</u>

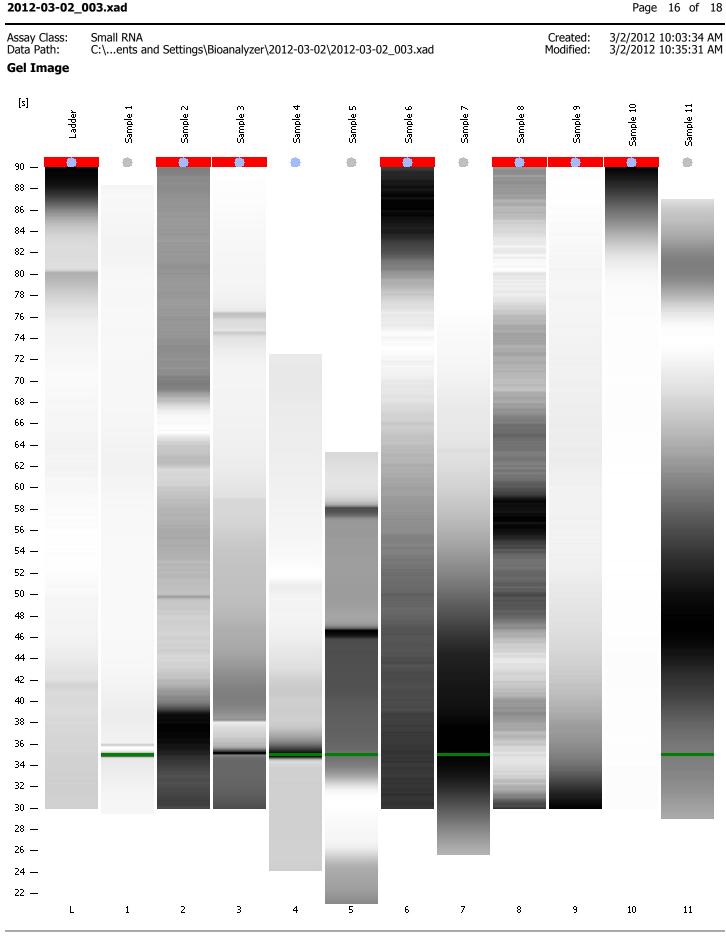
 Result Flagging Color:
 Result Flagging Label:
 All Other Samples



Result Flagging Color:

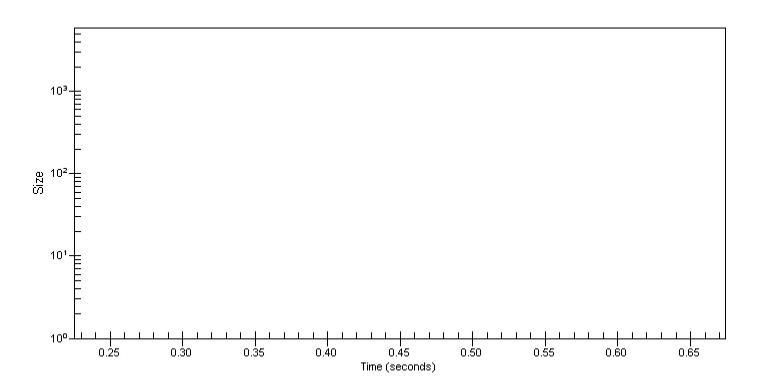
2012-03-02	_003.xad					Page 15 of 18
Assay Class: Data Path:	Small RNA C:\ents and Settin		2-03-02\2012-03-02	2_003.xad	Created Modified	: 3/2/2012 10:03:34 AM : 3/2/2012 10:35:31 AM
Electrophe	rogram Summary Co	ontinued				
			Sample 11			
[FU] 15-	,	my				*
10-	and the second sec	and the second s	~~			
5-	and the second		and the second s		\frown	
0						
-5-				have a second se		
-10-						
30	40	50	60	70	80	[s]
Overall Res Result Flaggir	ults for sample 11 :	Sample 11	Result Flagging Labe	l: Number	of Peaks: 10	
	e for sample 11 : rom [nt] To [nt] Aveı [nt]	<u>Sample 11</u> age Size Size ([%]	distribution in CV	Conc. % c [pg/µl]	of Total Col or	
Small RNA -:		0.0		0.0 -1		

2100 Expert (B.02.08.SI648)



2012-03-02_	Page 17 of 18		
Assay Class: Data Path:	Small RNA C:\ents and Settings\Bioanalyzer\2012-03-02\2012-03-02_003.xad	Created: Modified:	3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM
Curves			

Standard Curve



								_			
Assay Class: Data Path:	Small RNA C:\ents and Settings\Bioanalyzer\2012-03-02\2012-03-02_003.xad						eated: dified:	3/2/2012 10:03:34 AM 3/2/2012 10:35:31 AM			
Run Logbook											
Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host			
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		3/2/2012 10:35:28 AM	(GMT08:00) Pacific Standarc Time	UC Davis I	5 D8XSMGH1			
Run started on port 1 (File: C:\Documents and Settings\Bioanal yzer\2012-03-02 \2012-03-02_00 3.xad)	<u>)</u>	Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time		s D8XSMGH1			
Product Number : G2938B		Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time	UC Davis I	s D8XSMGH1			
Name :		Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time		s D8XSMGH1			
Vendor : Agilent Technologies		Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time		s D8XSMGH1			
Serial# : DE13701086		Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time		s D8XSMGH1			
Firmware : C.01.069		Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time		s D8XSMGH1			
Cartridge : Electrode		Instrument	Run		3/2/2012 10:03:35 AM	(GMT08:00) Pacific Standarc Time		s D8XSMGH1			

2012-03-02_003.xad

Page 18 of 18