

Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Plant RNA Nano.xsy

Assay Class: Plant RNA Nano

Version: 1.3

Assay Comments: Total RNA Analysis ng sensitivity (Plant)

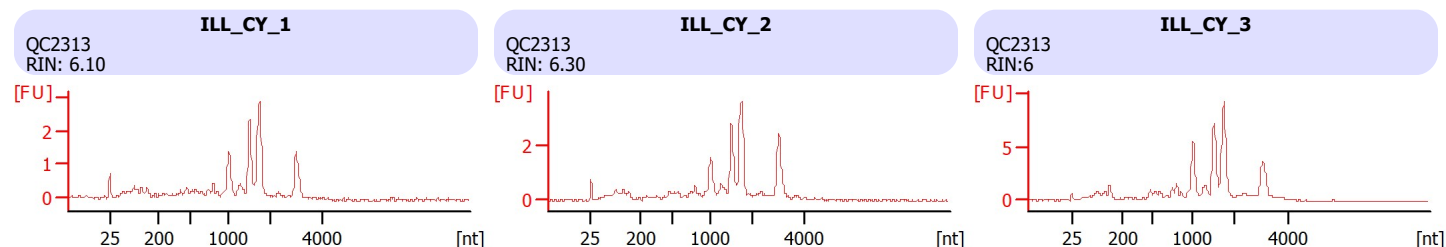
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
ILL_CY_1	QC2313	✓	RIN: 6.10	
ILL_CY_2	QC2313	✓	RIN: 6.30	
ILL_CY_3	QC2313	✓	RIN:6	
Ladder		✓	All Other Samples	

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

Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

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 : 0.1
Height Threshold [FU] : 0.1
Area Threshold : 0.1
Width Threshold [s] : 0.2
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

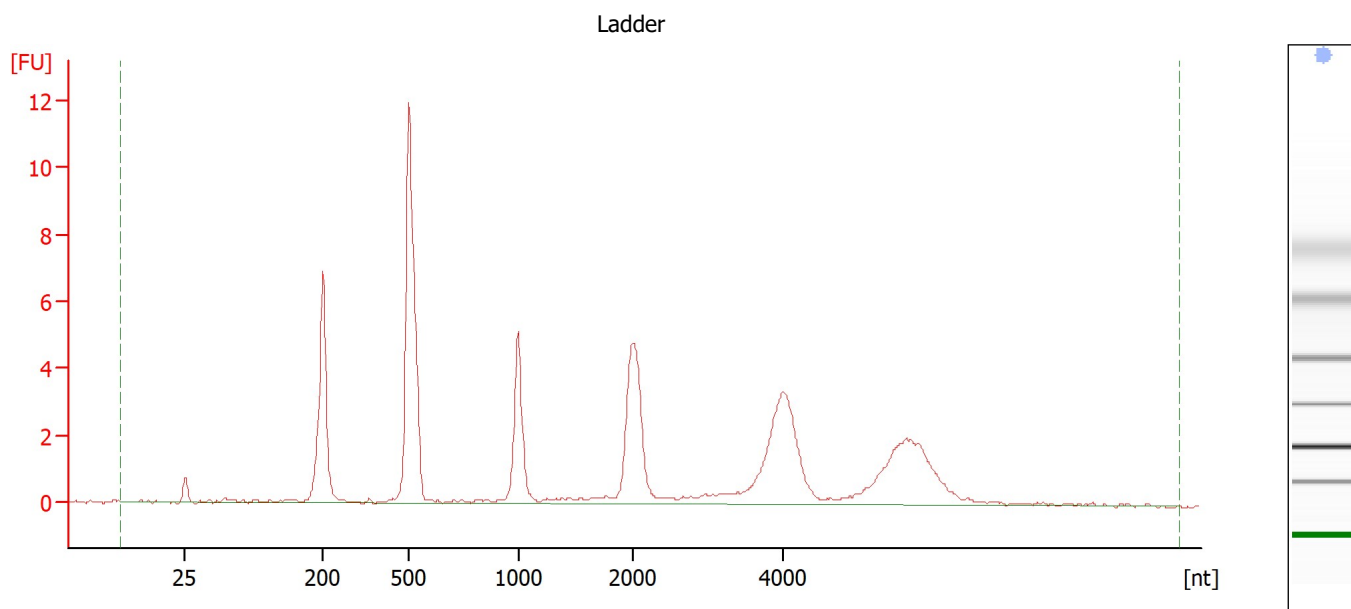
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 66.2

Result Flagging Color:

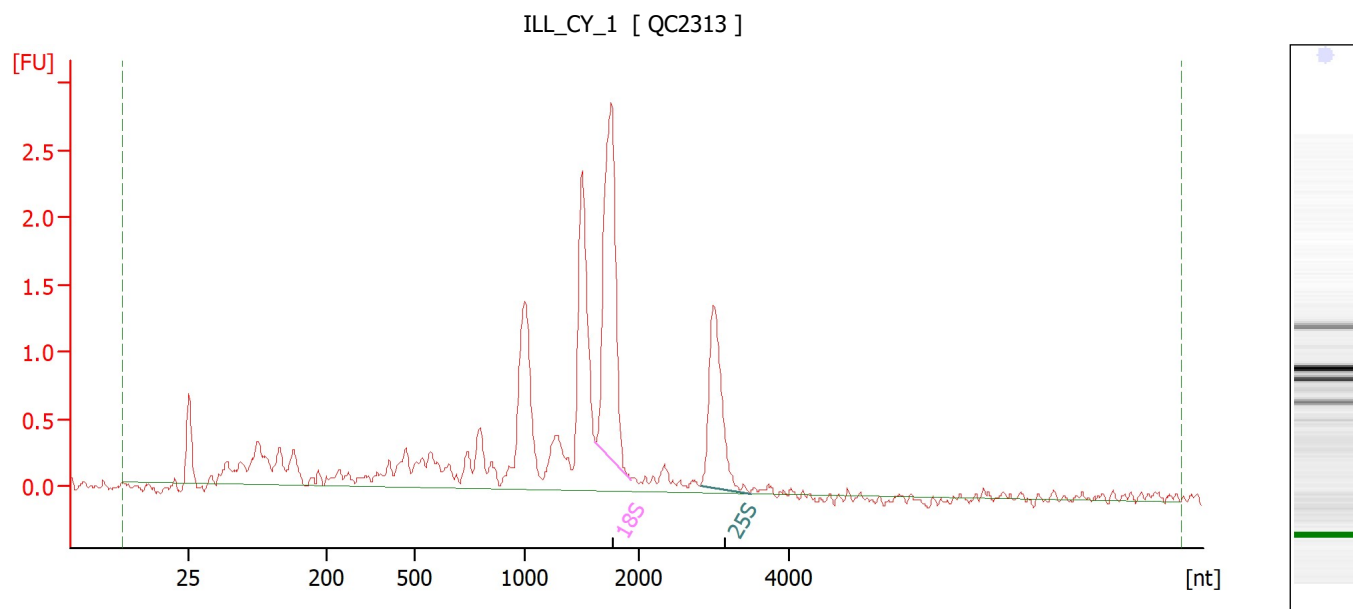


RNA Concentration: 150 ng/μl

Result Flagging Label:

All Other Samples

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

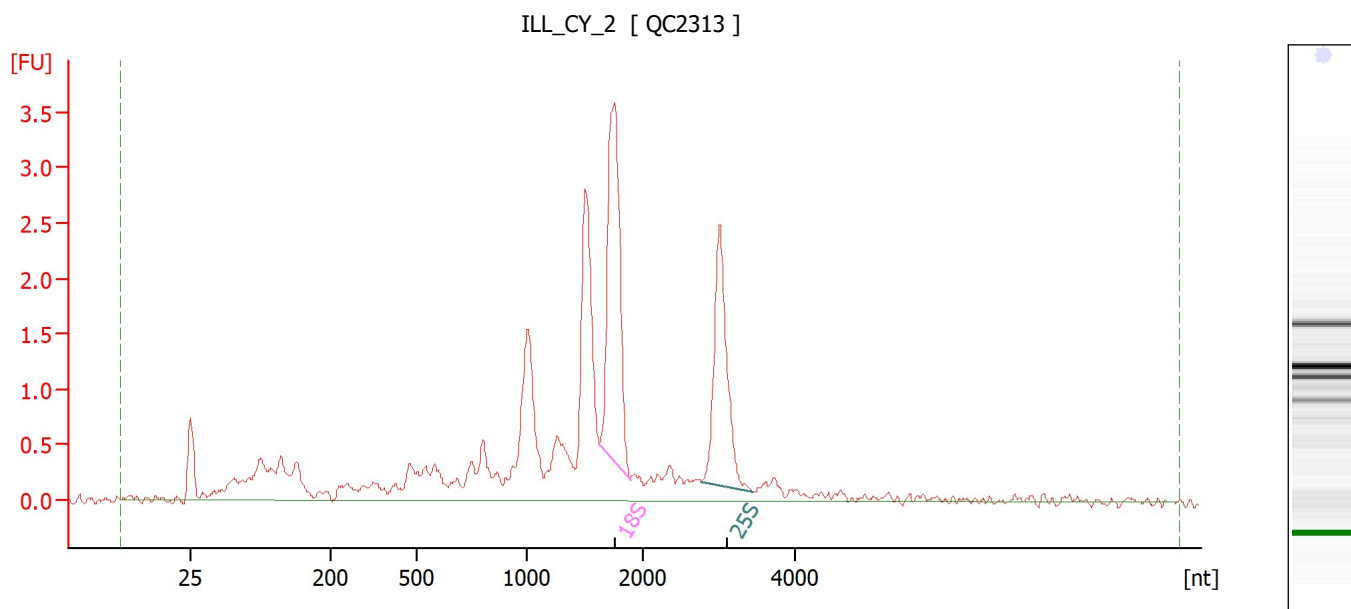


RNA Area:	20.3	RNA Integrity Number (RIN):	6.1 (B.02.10)
RNA Concentration:	46 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.5	Result Flagging Label:	RIN: 6.10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,619	1,926	4.0	19.6
25S	2,812	3,481	2.0	9.8

Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

Electropherogram Summary Continued ...**Overall Results for sample 2 : ILL CY 2**

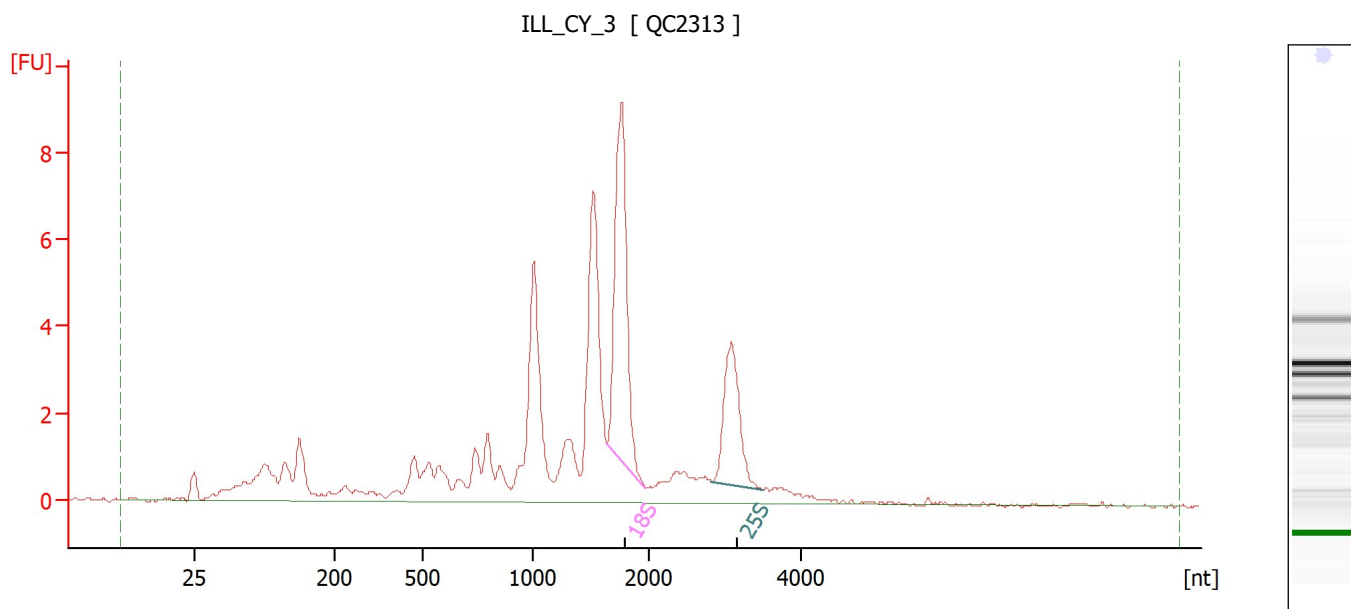
RNA Area:	29.8	RNA Integrity Number (RIN):	6.3 (B.02.10)
RNA Concentration:	68 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.7	Result Flagging Label:	RIN: 6.30

Fragment table for sample 2 : ILL CY 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,624	1,892	5.1	16.9
25S	2,767	3,460	3.4	11.5

Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

Electropherogram Summary Continued ...**Setpoint Deviations for sample 3 : ILL CY 3**

Width Threshold [s] : 0.1

Overall Results for sample 3 : ILL CY 3

RNA Area:	74.9	RNA Integrity Number (RIN):	6 (B.02.10)
RNA Concentration:	170 ng/μl	Result Flagging Color:	
rRNA Ratio [25s / 18s]:	0.5	Result Flagging Label:	RIN:6

Fragment table for sample 3 : ILL CY 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,637	1,968	12.1	16.1
25S	2,821	3,481	5.7	7.6

Assay Class: Plant RNA Nano
Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
Modified: 10/2/2025 11:12:48 AM

Gel Image

Assay Class: Plant RNA Nano
 Data Path: C:\...bioanalyzer\2100 expert\data\2025-09-26\QC2313_adjusted.xad

Created: 9/26/2025 3:56:07 PM
 Modified: 10/2/2025 11:12:48 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		9/26/2025 4:19:59 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\data\2025-09-26\Bioanalyzer1_Plant RNA Nano_DE34903152_2025-09-26 Product Number : G2938C		Instrument	Run		9/26/2025 3:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		9/26/2025 3:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		9/26/2025 3:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		9/26/2025 3:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		9/26/2025 3:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		9/26/2025 3:56:13 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB