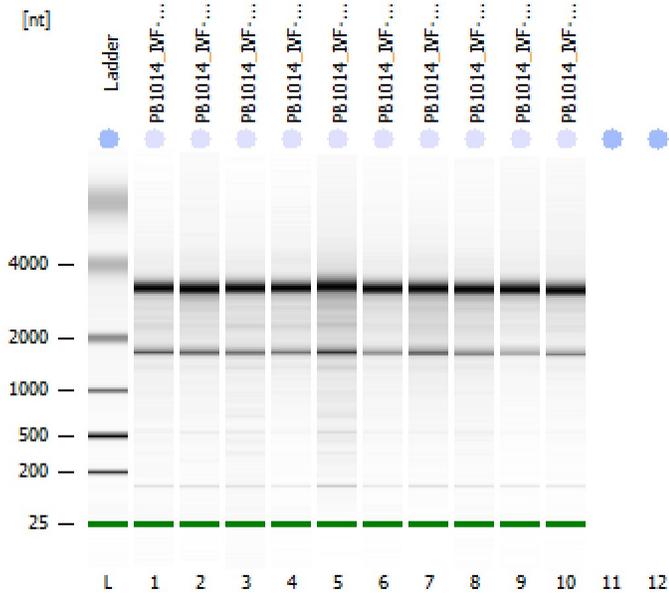


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
Modified: 10/12/2023 12:46:49 PM

Electrophoresis File Run Summary



Instrument Information:

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

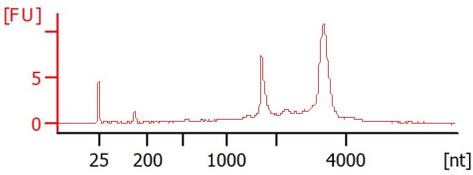
Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\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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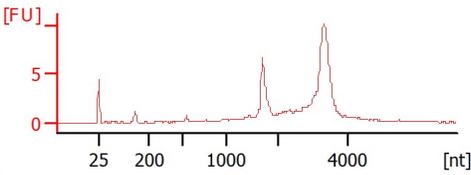
Chip Information:

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

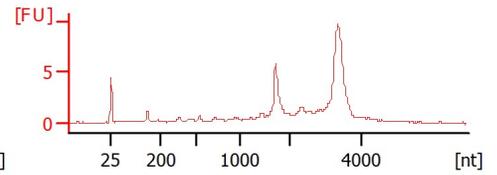
PB1014_IVF-1_total RNA
RIN: 8.80



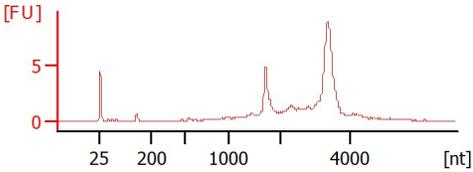
PB1014_IVF-2_total RNA
RIN: 9



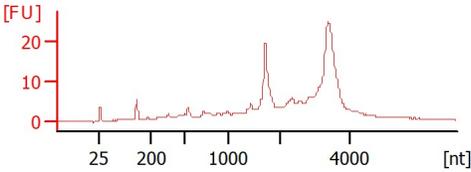
PB1014_IVF-3_total RNA
RIN: 8.70



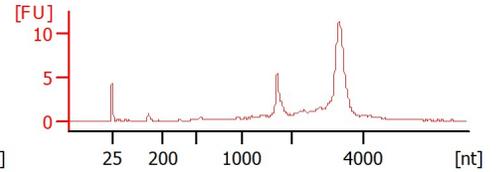
PB1014_IVF-4_total RNA
RIN: 9



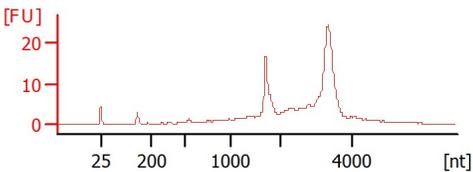
PB1014_IVF-5_total RNA
RIN: 8.20



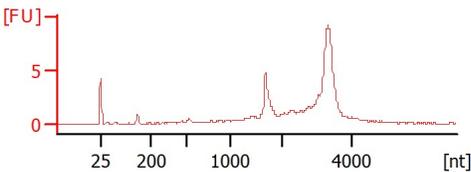
PB1014_IVF-6_total RNA
RIN: 8.90



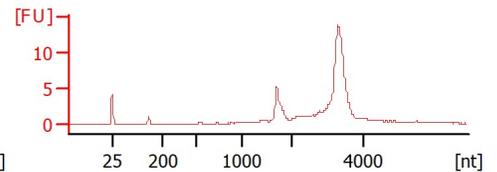
PB1014_IVF-7_total RNA
RIN: 8.70



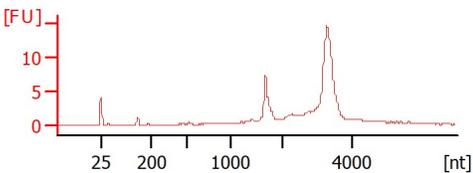
PB1014_IVF-8_total RNA
RIN: 8.80



PB1014_IVF-9_total RNA
RIN: 9.20



PB1014_IVF-10_total RNA
RIN: 9.40



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
PB1014_IVF-1_total RNA		✓	RIN: 8.80	
PB1014_IVF-2_total RNA		✓	RIN:9	
PB1014_IVF-3_total RNA		✓	RIN: 8.70	
PB1014_IVF-4_total RNA		✓	RIN:9	
PB1014_IVF-5_total RNA		✓	RIN: 8.20	
PB1014_IVF-6_total RNA		✓	RIN: 8.90	
PB1014_IVF-7_total RNA		✓	RIN: 8.70	
PB1014_IVF-8_total RNA		✓	RIN: 8.80	
PB1014_IVF-9_total RNA		✓	RIN: 9.20	
PB1014_IVF-10_total		✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 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/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 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

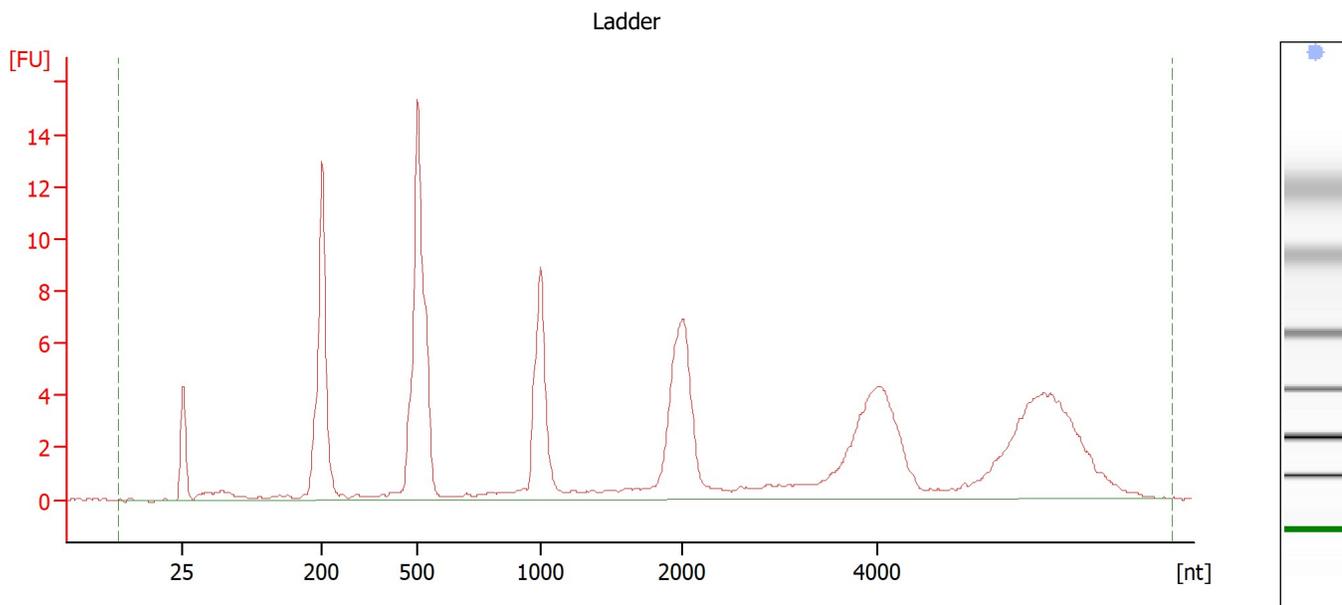
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary



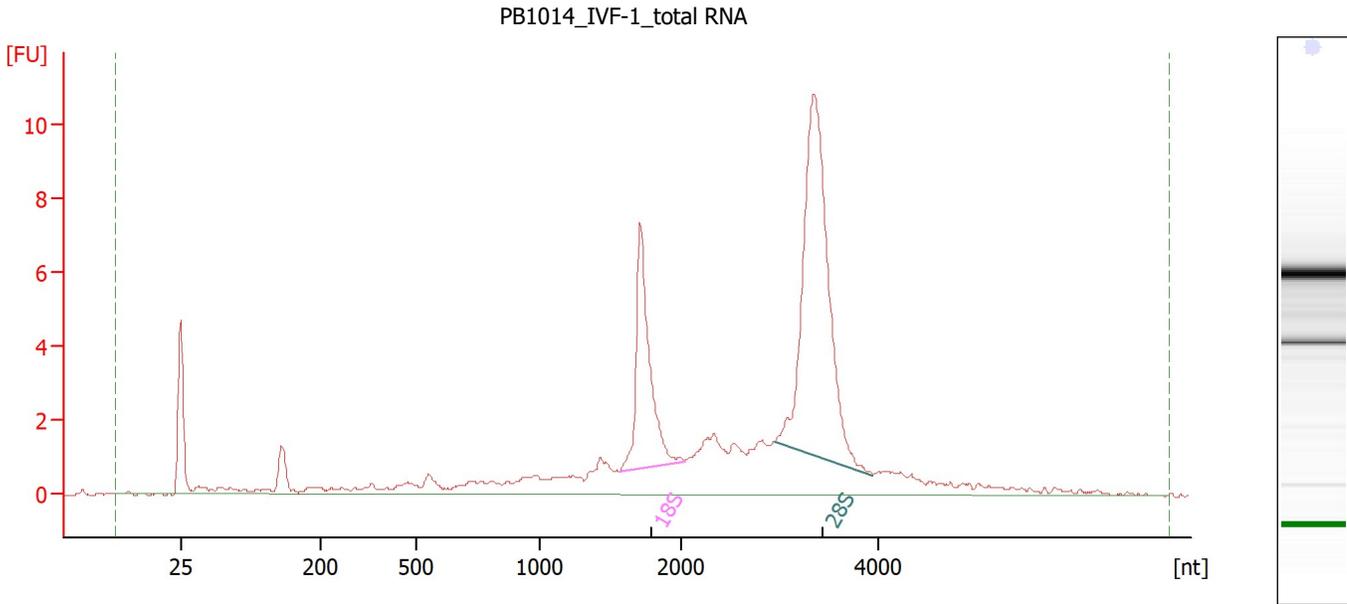
Overall Results for Ladder

RNA Area:	141.7	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PB1014 IVF-1 total RNA

RNA Area:	84.4	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	89 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.4	Result Flagging Label:	RIN: 8.80

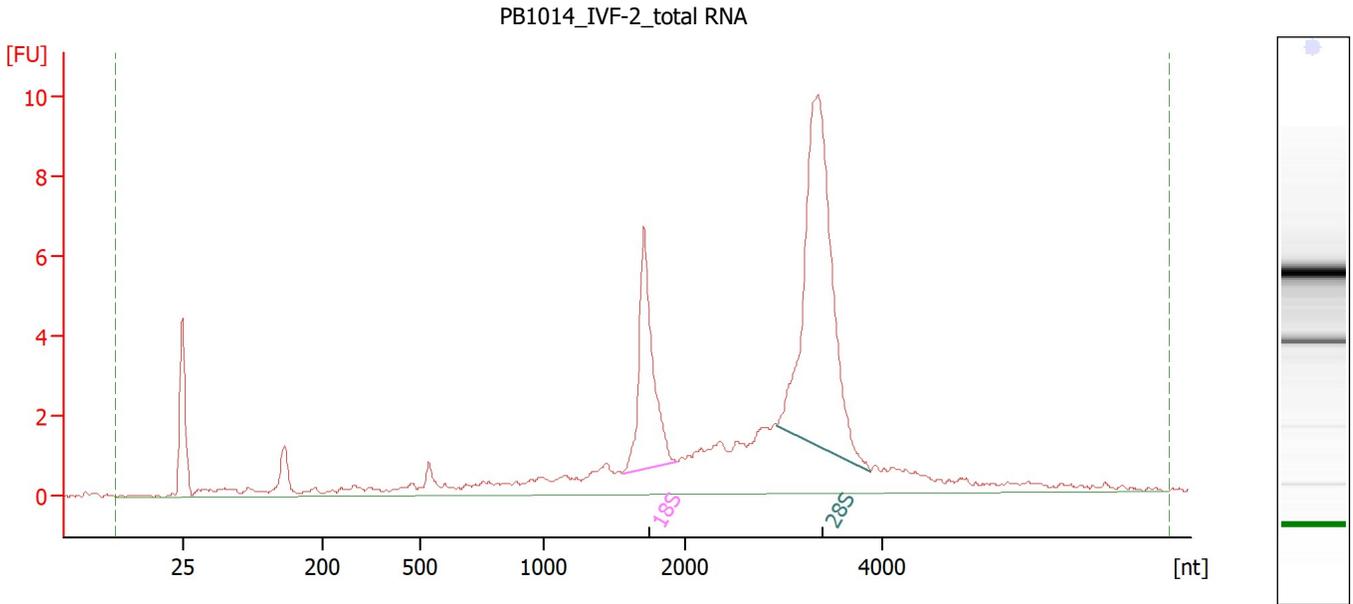
Fragment table for sample 1 : PB1014 IVF-1 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,564	2,032	10.5	12.4
28S	2,943	3,951	25.6	30.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PB1014 IVF-2 total RNA

RNA Area:	81.4	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.6	Result Flagging Label:	RIN:9

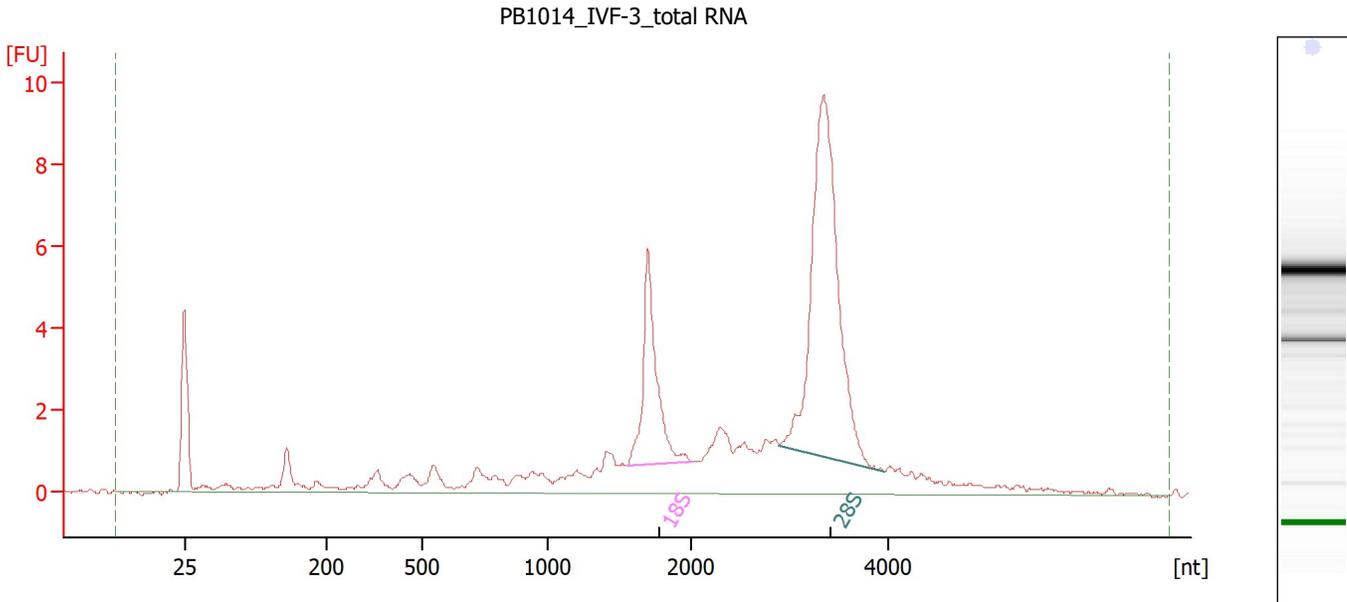
Fragment table for sample 2 : PB1014 IVF-2 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,558	1,939	9.7	12.0
28S	2,927	3,877	25.2	30.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : PB1014 IVF-3 total RNA

RNA Area:	77.0	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	82 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 8.70

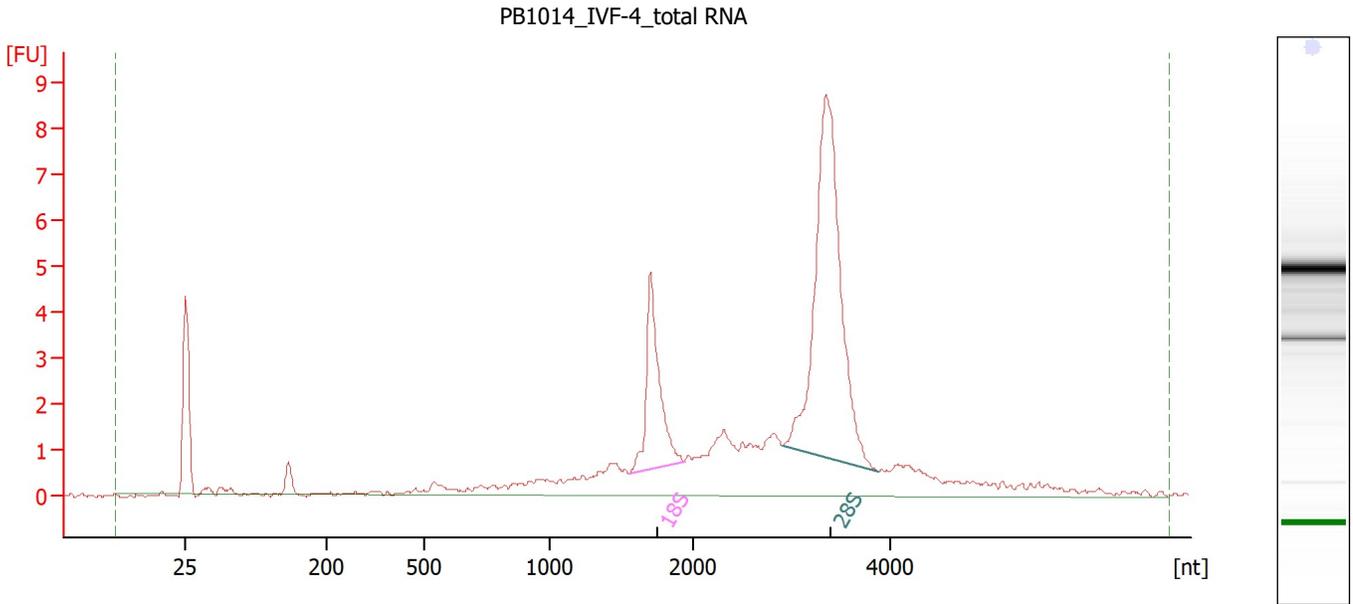
Fragment table for sample 3 : PB1014 IVF-3 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,559	2,019	8.6	11.2
28S	2,900	3,964	23.9	31.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : PB1014 IVF-4 total RNA

RNA Area:	62.5	RNA Integrity Number (RIN):	9 (B.02.10)
RNA Concentration:	66 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.1	Result Flagging Label:	RIN:9

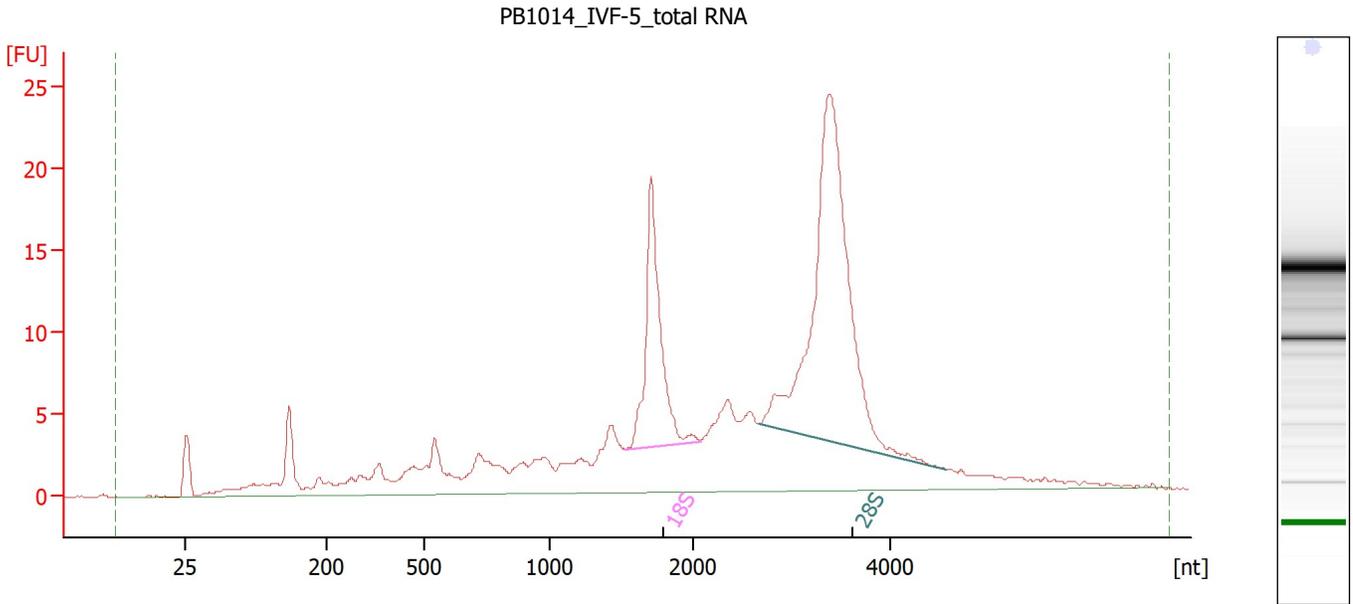
Fragment table for sample 4 : PB1014 IVF-4 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,560	1,946	6.8	10.8
28S	2,908	3,863	20.7	33.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : PB1014 IVF-5 total RNA

RNA Area:	284.3	RNA Integrity Number (RIN):	8.2 (B.02.10)
RNA Concentration:	301 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.7	Result Flagging Label:	RIN: 8.20

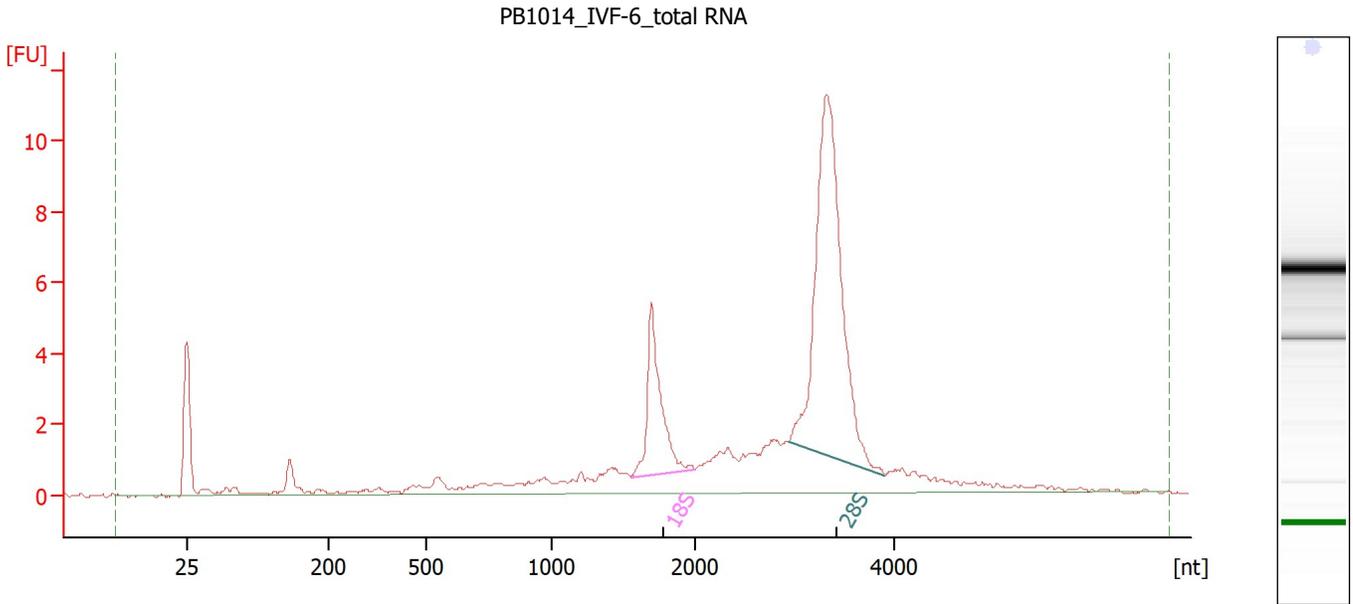
Fragment table for sample 5 : PB1014 IVF-5 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,537	2,082	28.4	10.0
28S	2,662	4,550	76.5	26.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : PB1014 IVF-6 total RNA

RNA Area:	72.5	RNA Integrity Number (RIN):	8.9 (B.02.10)
RNA Concentration:	77 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.5	Result Flagging Label:	RIN: 8.90

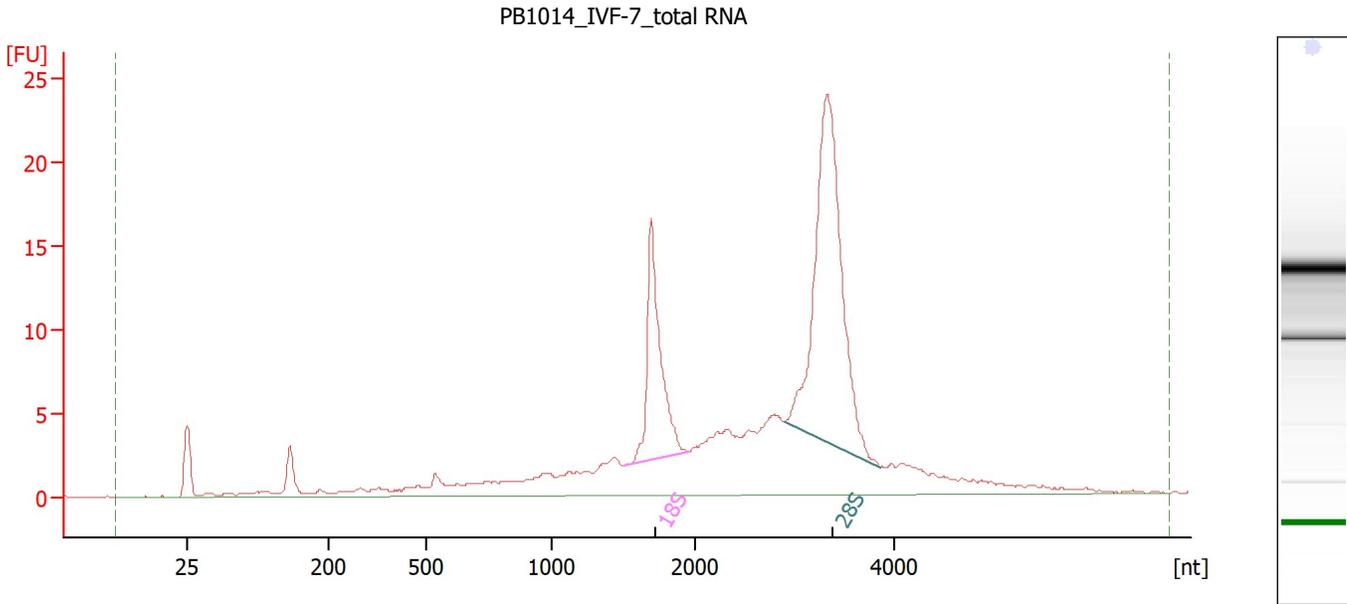
Fragment table for sample 6 : PB1014 IVF-6 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,553	2,007	7.8	10.7
28S	2,938	3,912	26.9	37.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : PB1014 IVF-7 total RNA

RNA Area:	210.4	RNA Integrity Number (RIN):	8.7 (B.02.10)
RNA Concentration:	223 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.5	Result Flagging Label:	RIN: 8.70

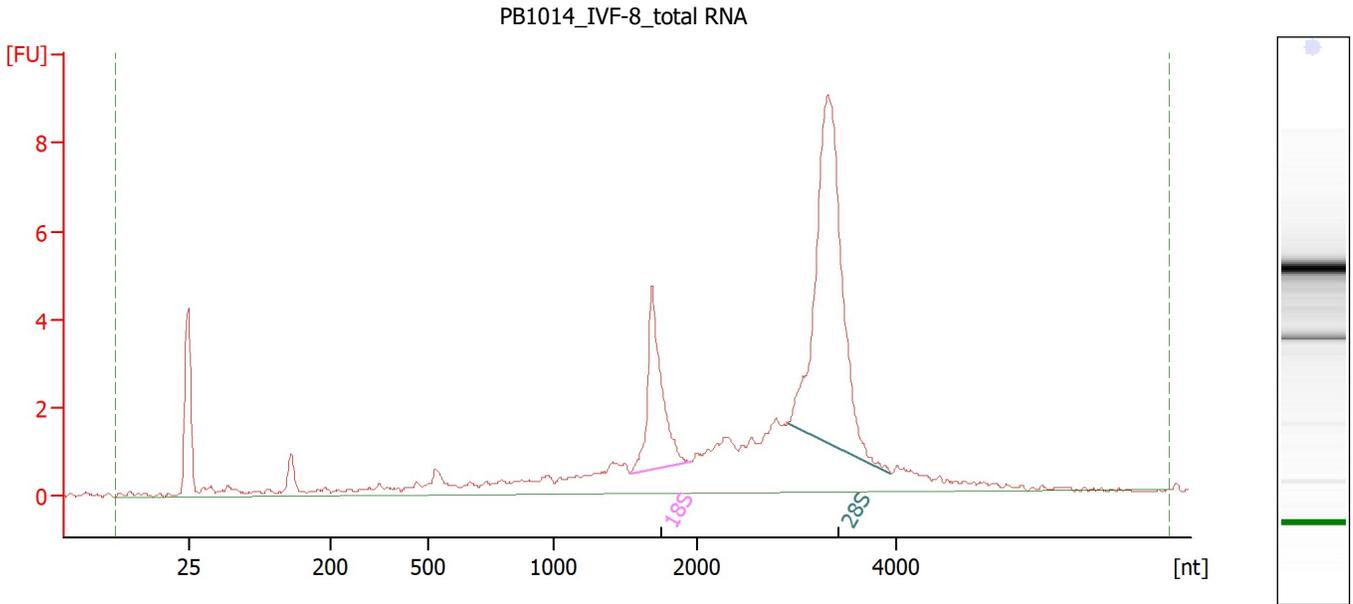
Fragment table for sample 7 : PB1014 IVF-7 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,501	1,960	22.8	10.8
28S	2,895	3,859	56.8	27.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : PB1014 IVF-8 total RNA

RNA Area:	71.4	RNA Integrity Number (RIN):	8.8 (B.02.10)
RNA Concentration:	76 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.1	Result Flagging Label:	RIN: 8.80

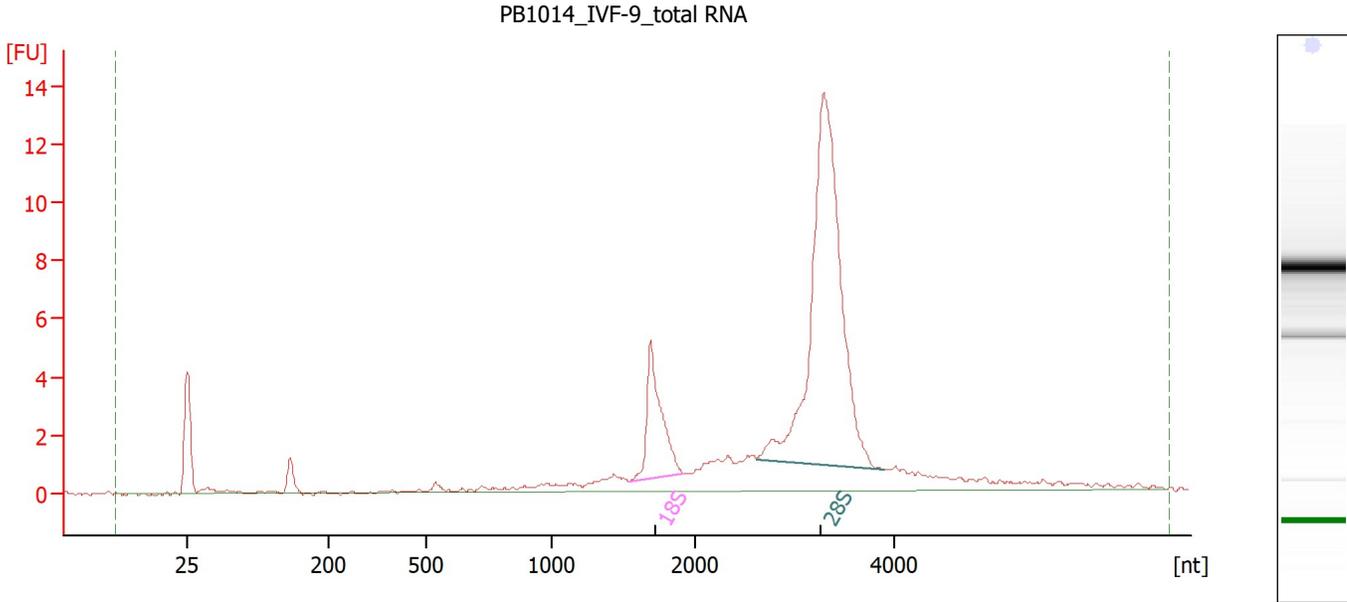
Fragment table for sample 8 : PB1014 IVF-8 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,539	1,960	6.9	9.7
28S	2,914	3,950	21.2	29.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : PB1014 IVF-9 total RNA

RNA Area:	80.4	RNA Integrity Number (RIN):	9.2 (B.02.10)
RNA Concentration:	85 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	4.7	Result Flagging Label:	RIN: 9.20

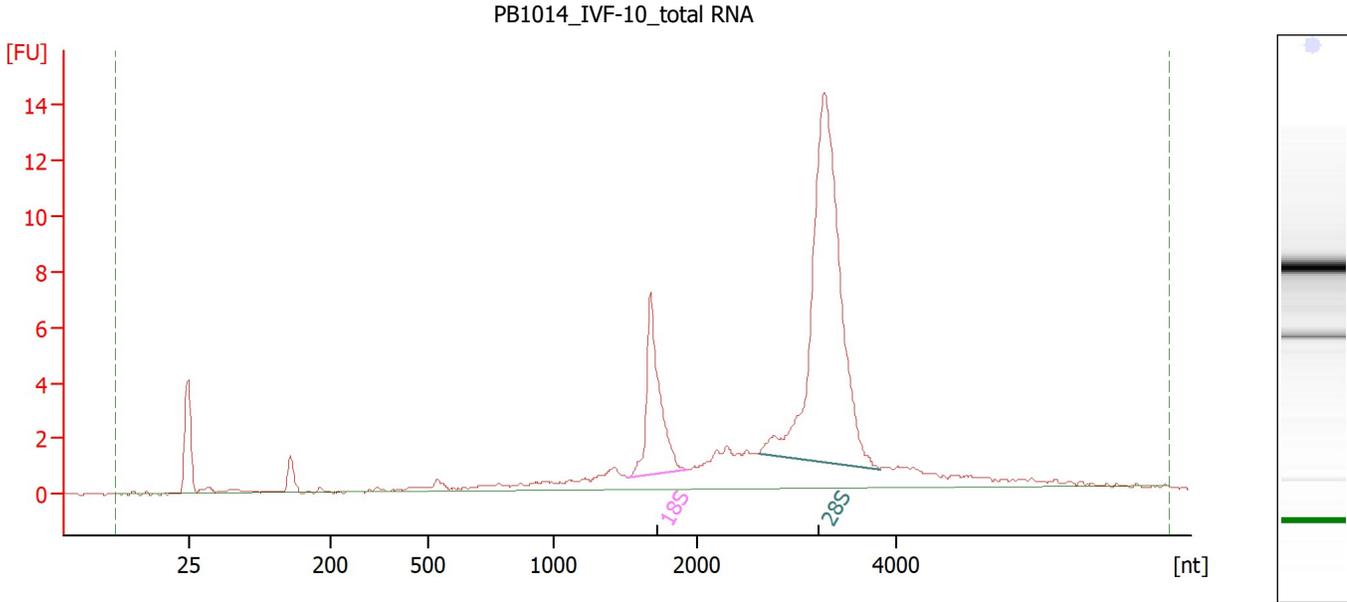
Fragment table for sample 9 : PB1014 IVF-9 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,546	1,923	8.2	10.2
28S	2,617	3,901	38.3	47.6

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : PB1014 IVF-10 total RNA

RNA Area:	89.8	RNA Integrity Number (RIN):	9.4 (B.02.10)
RNA Concentration:	95 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	3.8	Result Flagging Label:	RIN: 9.40

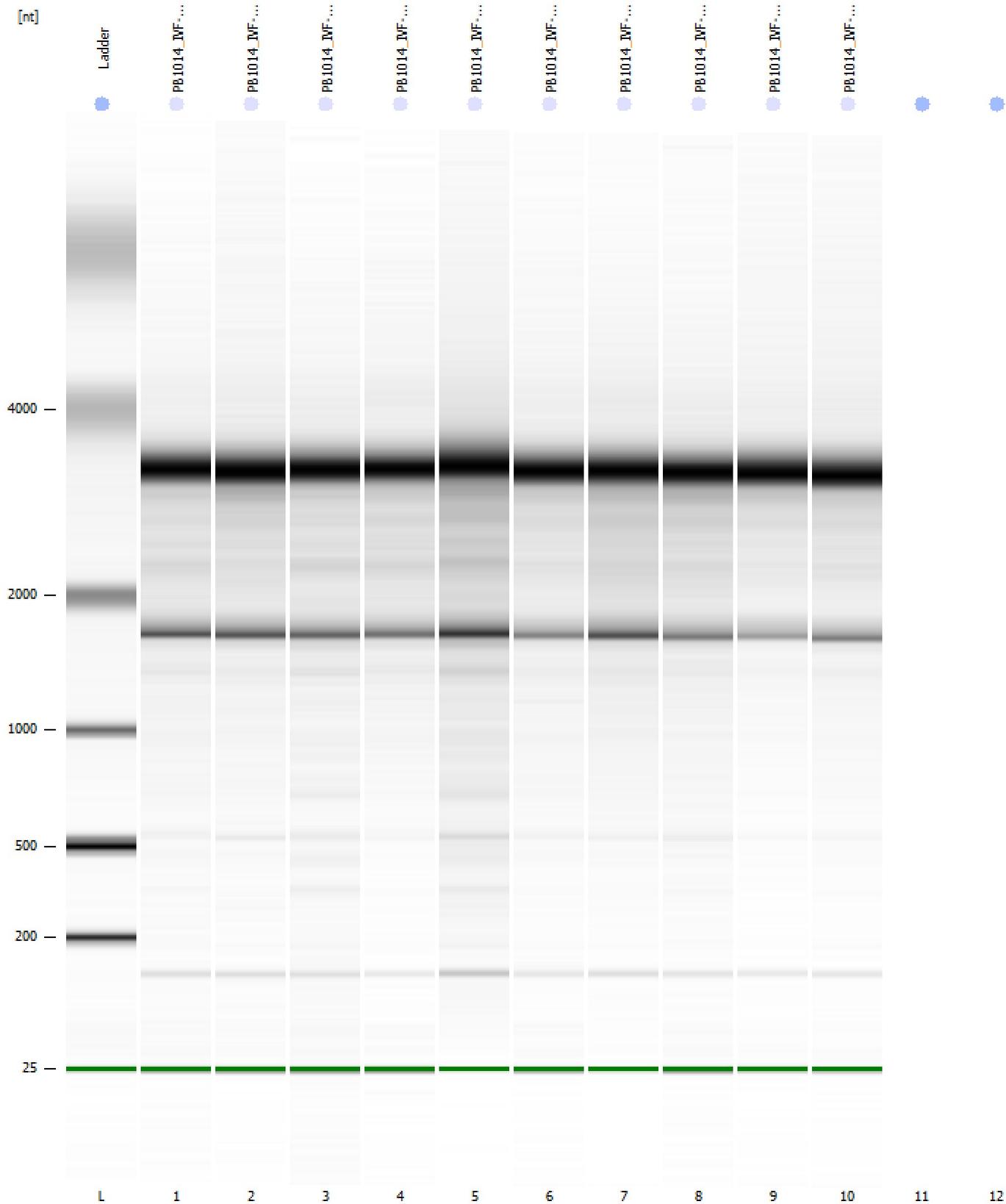
Fragment table for sample 10 : PB1014 IVF-10 total RNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,517	1,938	10.2	11.4
28S	2,615	3,833	38.6	43.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
Modified: 10/12/2023 12:46:49 PM

Gel Image

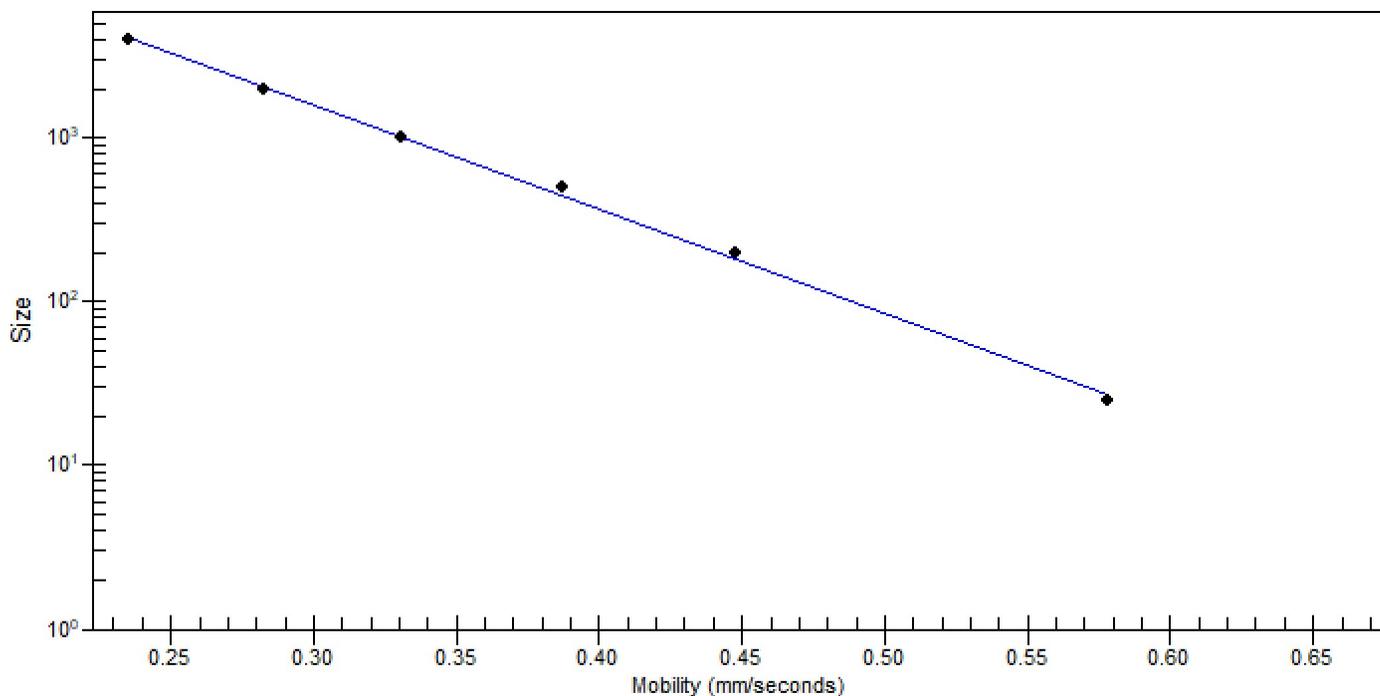


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
Modified: 10/12/2023 12:46:49 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
Modified: 10/12/2023 12:46:49 PM

Invalid Samples

Sample 11 has not been run, no results available.

Sample 12 has not been run, no results available.

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...zer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad

Created: 10/12/2023 12:26:24 PM
 Modified: 10/12/2023 12:46:49 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 11)		Instrument	Run		10/12/2023 12:46:45 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\2023-10-12\Bioanalyzer1_Eukaryote Total RNA Nano_DE34903152_2023-10-12_002.xad)		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		10/12/2023 12:26:25 PM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB