Instrument controller software run summary:

Filename and data path: \\central.health\dfsuserenv\Users\User_01\CONTEM\Documents\2 - Fragment Analyzer Data\2021 11 18 - pfizer\2021 11 18 13H 13M.raw
Created: Thursday, November 18, 2021 1:39:17 PM
Number of capillaries: 12
Array serial number: 022621-27SFS
Effect length: cm
Array usage count:
Instrument type: 5200 Fragment Analyzer
Instrument controller software version: 3.1.0.12
Device serial number: MY2105AB19

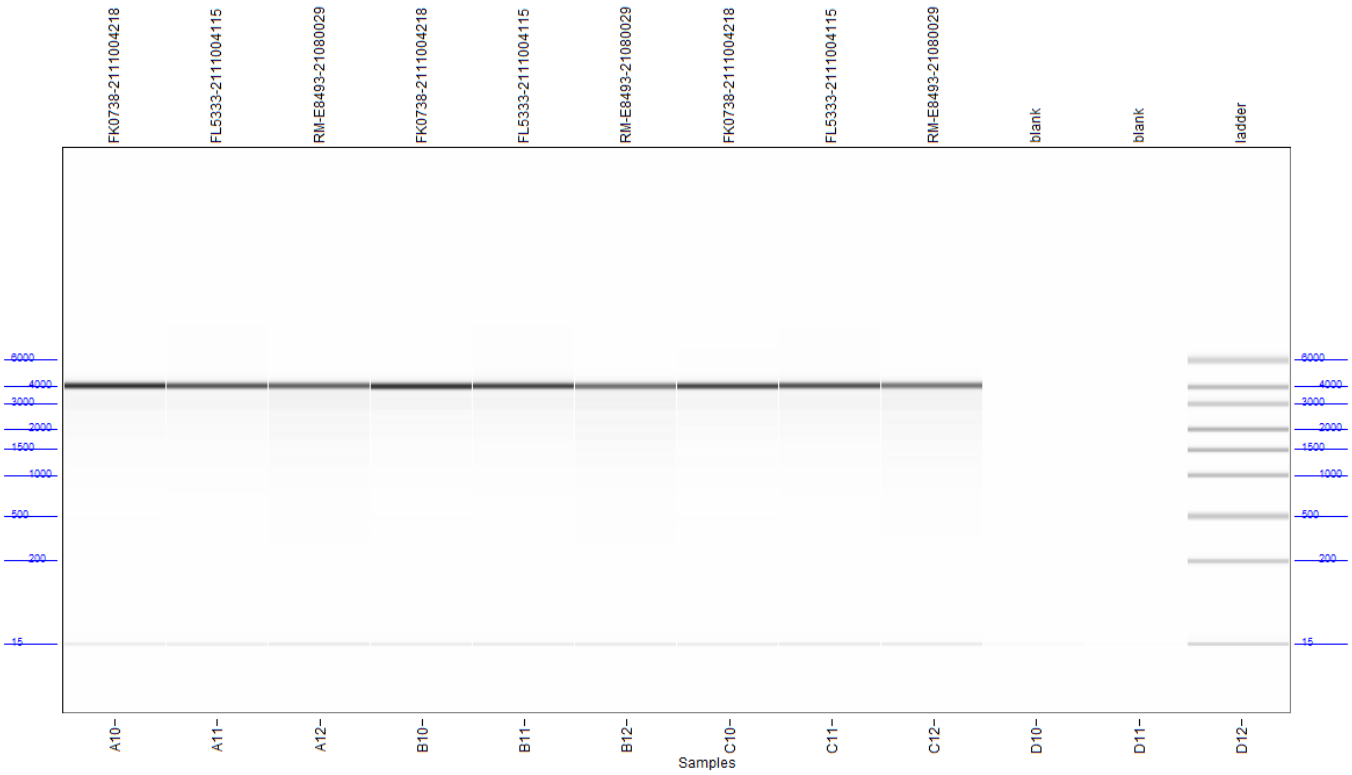
Method Information

Method name: Separation Method
Gel prime: No
Full conditioning: No
Gel prime to buffer: No
Gel selection: Gel 1
Perform prerun: No
Rinse: No
Marker 1: No
Rinse: No
Sample injection: No
Separation: No
Tray name:

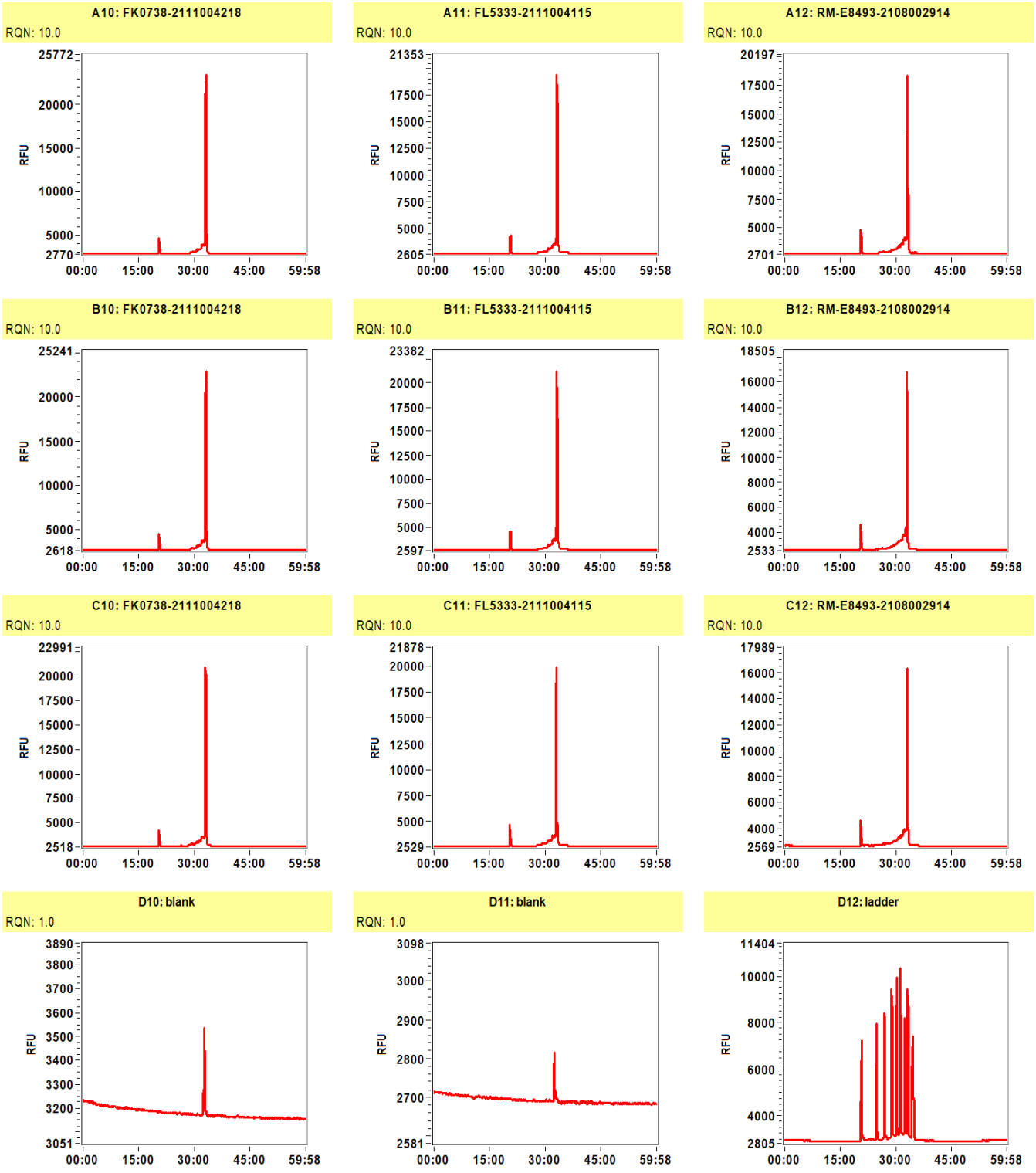
Analysis mode: RNA (Eukaryotic)

Notes

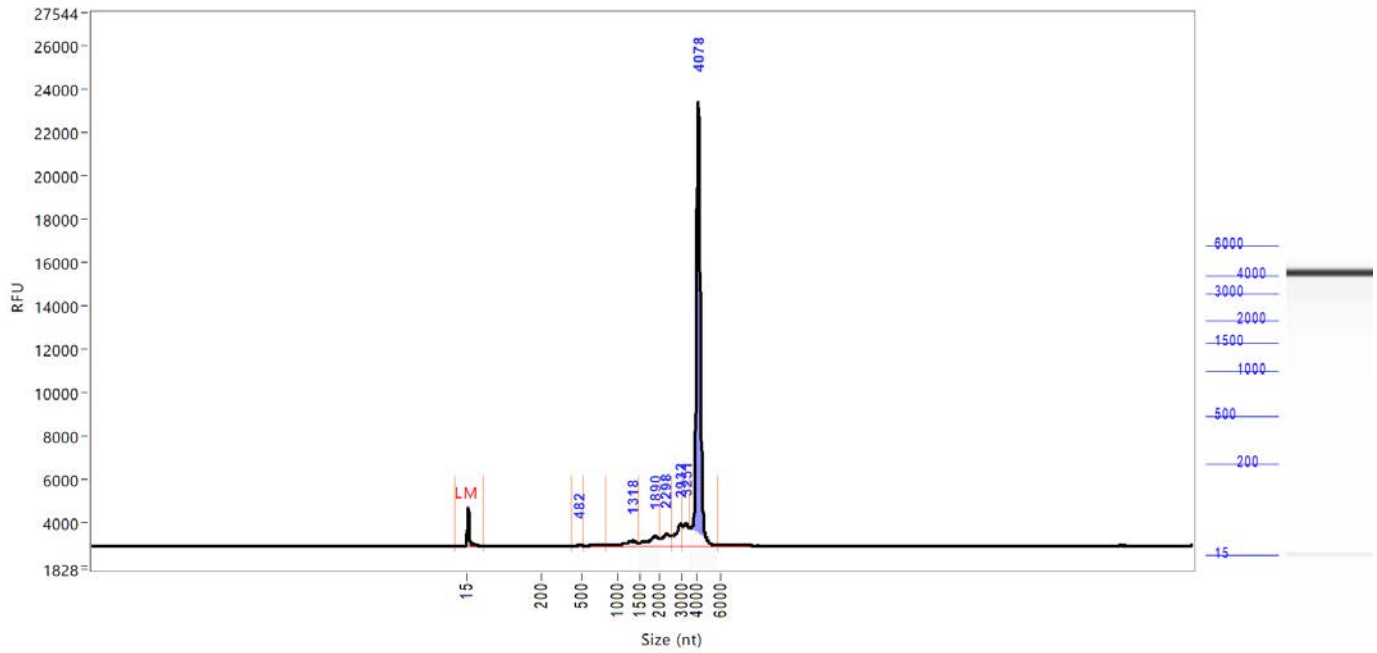
Gel Image


FK0738-2111004218
FL5333-2111004115
RM-E8493-21080029
FK0738-2111004218
FL5333-2111004115
RM-E8493-21080029
FK0738-2111004218
FL5333-2111004115
RM-E8493-21080029
blank
blank
ladder
6000
4000
3000
2000
1500
1000
500
200
15
A10
A11
A12
B10
B11
B12
C10
C11
C12
D10
D11
D12
Samples

Filename and data path: \\central.health\dfsuserenv\Users\User_01\CONTEM\Documents\2 - Fragment Analyzer Data\2021 11 18 - pfizer\2021 11 18 13H 13M.raw



Sample: FK0738-2111004218
Well location: A10
Created: Thursday, November 18, 2021 1:39:17 PM



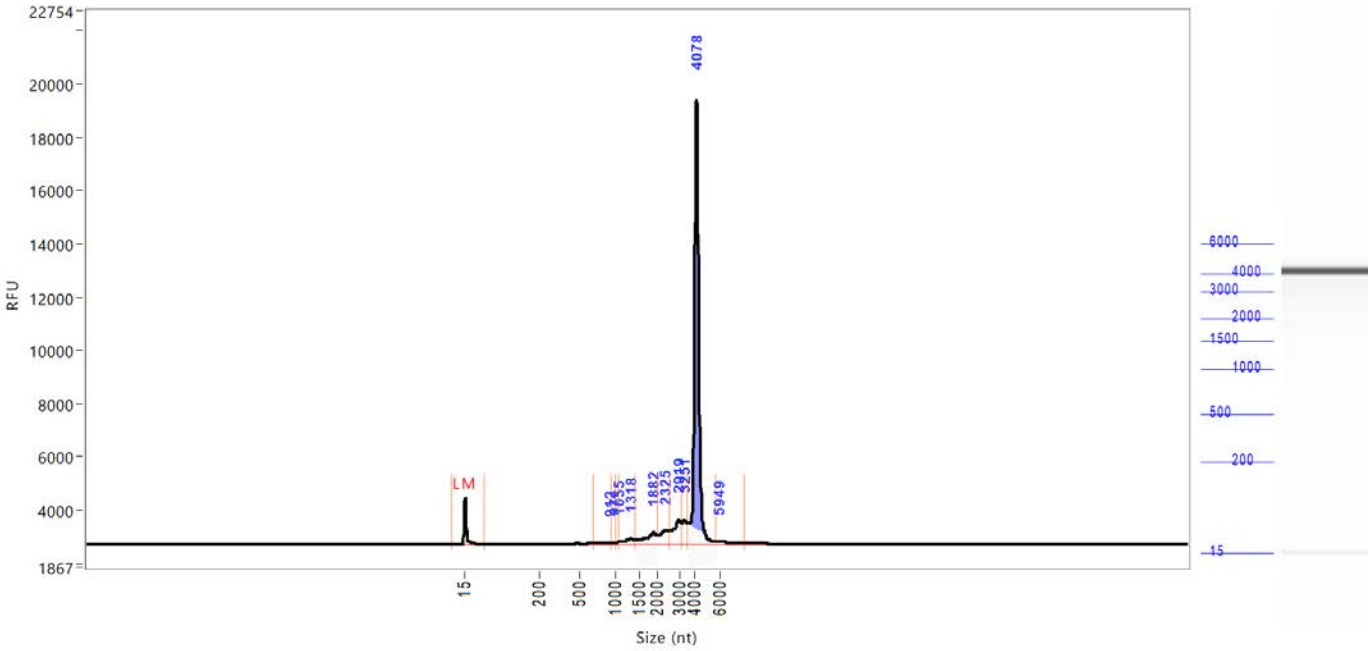
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	55	1784
2	482	0.0377	424	526	71
3	1318	0.3001	828	1439	236
4	1890	0.4742	1439	2014	475
5	2298	0.4225	2014	2541	542
6	2932	0.5949	2541	3043	1017
7	3251	0.4602	3043	3480	1056
8	4078	7.0954	3480	5744	20552

TIC:	9.3849	ng/uL	
TIM:	8.9632	nmole/L	
Total concentration:	9.5687	ng/uL	
28s/18s:	100.8		
RQN	10.0		

Smear Analysis						
	3700 nt to 4800 nt	6.8145 ng/ul	71.2 %Total	5.1941 nmole/L	4093 Avg. Size (nt)	4.00 %CV
	4800 nt to 13000 nt	0.1812 ng/ul	1.9 %Total	0.0820 nmole/L	6897 Avg. Size (nt)	28.45 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: FL5333-2111004115
Well location: A11
Created: Thursday, November 18, 2021 1:39:17 PM



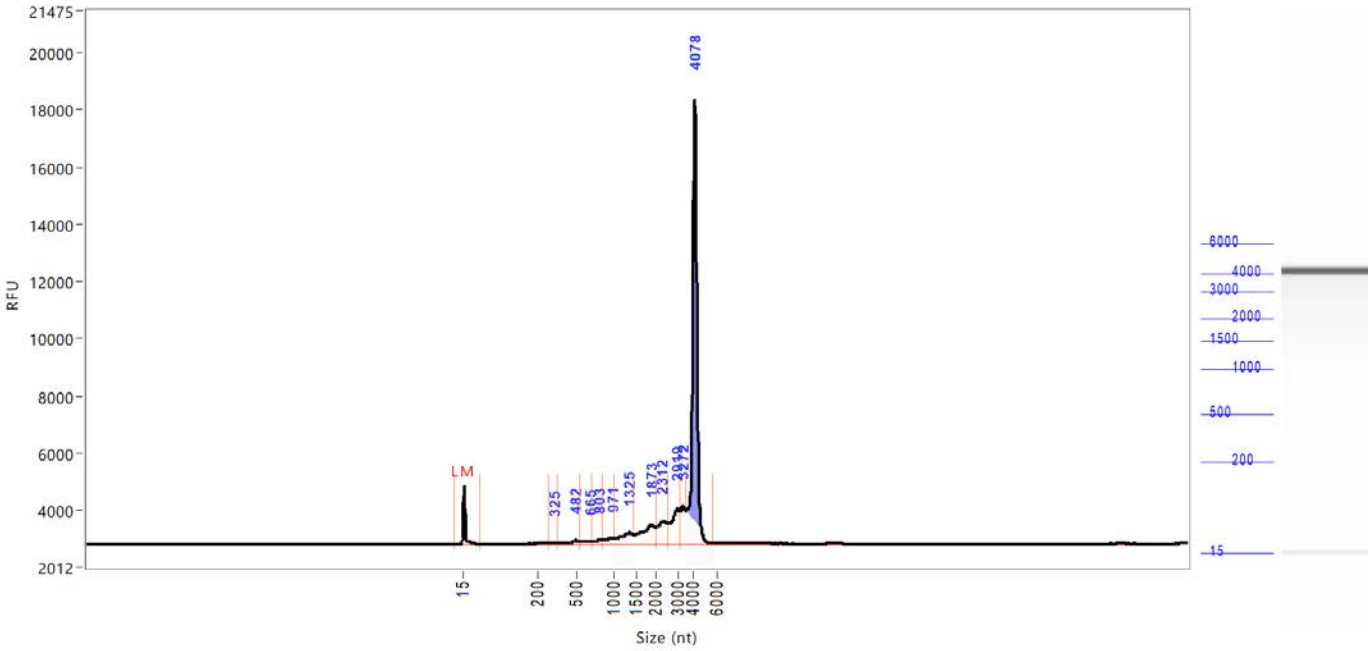
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	65	1733
2	912	0.0757	690	933	72
3	971	0.0274	933	992	74
4	1055	0.0273	992	1062	94
5	1318	0.2057	1062	1419	223
6	1882	0.4792	1419	2014	450
7	2325	0.4173	2014	2541	508
8	2919	0.5886	2541	3043	925
9	3251	0.4163	3043	3480	919
10	4078	6.0896	3480	5744	16700
11	5949	0.1536	5744	8103	96

TIC:	8.4805	ng/uL
TIM:	8.1385	nmole/L
Total concentration:	8.6211	ng/uL
28s/18s:	98.2	
RQN	10.0	

Smear Analysis	3700 nt to 4800 nt	5.7758 ng/ul	67.0 %Total	4.4017 nmole/L	4094 Avg. Size (nt)	4.21 %CV
	4800 nt to 13000 nt	0.3685 ng/ul	4.3 %Total	0.1639 nmole/L	7013 Avg. Size (nt)	26.84 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: RM-E8493-2108002914
Well location: A12
Created: Thursday, November 18, 2021 1:39:17 PM



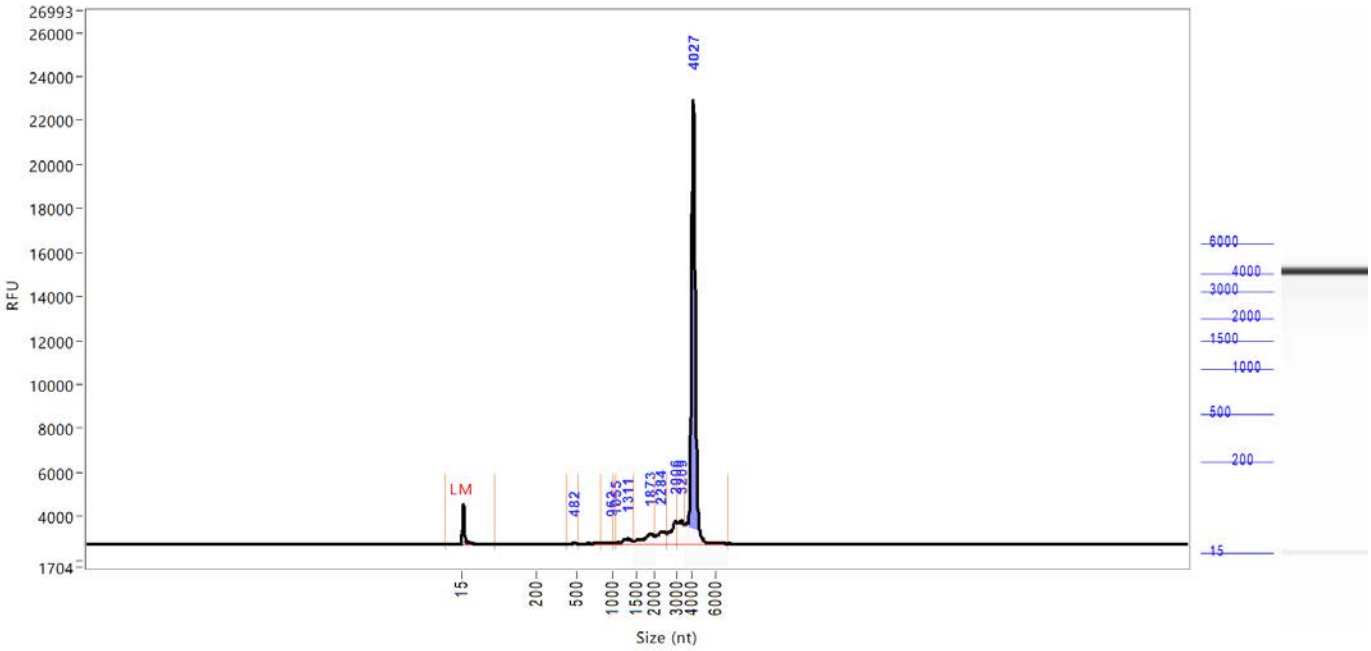
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	56	2026
2	325	0.0311	275	344	51
3	482	0.1343	344	526	152
4	665	0.0868	526	694	110
5	803	0.0933	694	832	152
6	971	0.1512	832	996	196
7	1325	0.4124	996	1426	397
8	1873	0.7113	1426	2000	689
9	2312	0.6100	2000	2554	798
10	2919	0.6997	2554	3043	1253
11	3272	0.5013	3043	3459	1348
12	4078	5.1006	3459	5667	15553

TIC:	8.5319	ng/uL
TIM:	10.9037	nmole/L
Total concentration:	8.6748	ng/uL
28s/18s:	81.5	
RQN	10.0	

Smear Analysis	3700 nt to 4800 nt	4.7771 ng/ul	55.1 %Total	3.6456 nmole/L	4088 Avg. Size (nt)	4.17 %CV
	4800 nt to 13000 nt	0.1454 ng/ul	1.7 %Total	0.0608 nmole/L	7460 Avg. Size (nt)	29.97 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: FK0738-2111004218
Well location: B10
Created: Thursday, November 18, 2021 1:39:17 PM



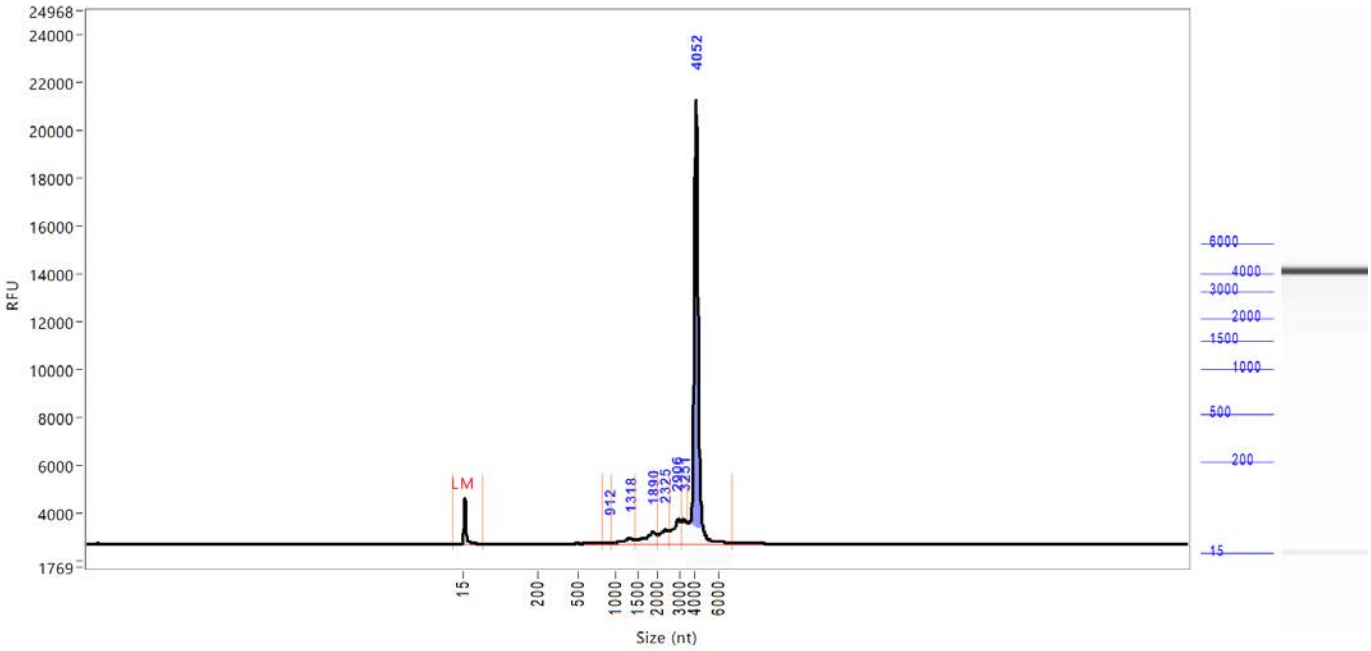
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	95	1849
2	482	0.0317	422	522	68
3	962	0.0550	824	987	67
4	1055	0.0259	987	1062	93
5	1311	0.2085	1062	1433	242
6	1873	0.4593	1433	2001	490
7	2284	0.4193	2001	2528	562
8	2906	0.5847	2528	3001	1052
9	3209	0.4518	3001	3438	1088
10	4027	6.6435	3438	6937	20216

TIC:	8.8798	ng/uL	
TIM:	8.5671	nmole/L	
Total concentration:	8.9168	ng/uL	
28s/18s:	90.9		
RQN	10.0		

Smear Analysis						
	3700 nt to 4800 nt	6.3134 ng/ul	70.8 %Total	4.8477 nmole/L	4063 Avg. Size (nt)	3.99 %CV
	4800 nt to 13000 nt	0.1172 ng/ul	1.3 %Total	0.0598 nmole/L	6116 Avg. Size (nt)	20.69 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: FL5333-2111004115
Well location: B11
Created: Thursday, November 18, 2021 1:39:17 PM



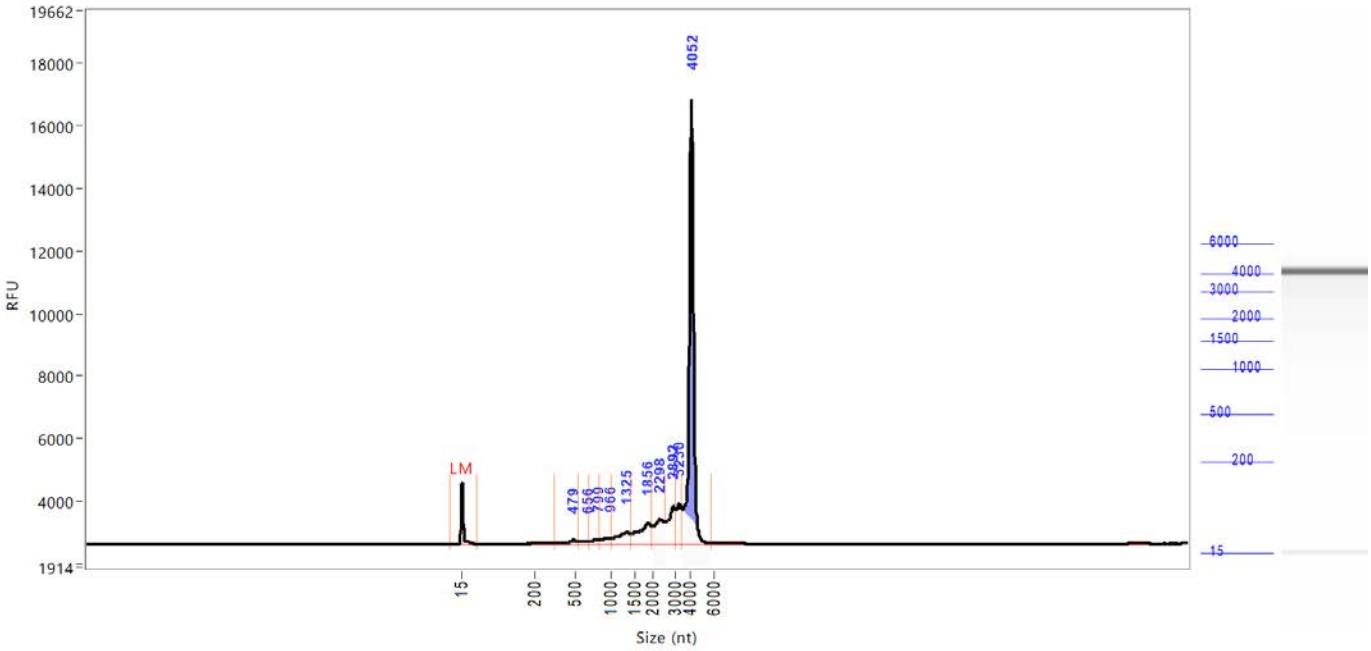
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	60	1928
2	912	0.0464	815	941	78
3	1318	0.2659	941	1433	259
4	1890	0.4944	1433	2014	520
5	2325	0.4382	2014	2541	593
6	2906	0.6200	2541	3043	1083
7	3251	0.4354	3043	3480	1071
8	4052	6.1947	3480	7115	18546

TIC:	8.4950	ng/uL
TIM:	8.1012	nmole/L
Total concentration:	8.7432	ng/uL
28s/18s:	89.7	
RQN	10.0	

Smear Analysis	3700 nt to 4800 nt	5.7769 ng/ul	66.1 %Total	4.4113 nmole/L	4086 Avg. Size (nt)	4.25 %CV
	4800 nt to 13000 nt	0.3757 ng/ul	4.3 %Total	0.1649 nmole/L	7110 Avg. Size (nt)	29.25 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: RM-E8493-2108002914
Well location: B12
Created: Thursday, November 18, 2021 1:39:17 PM



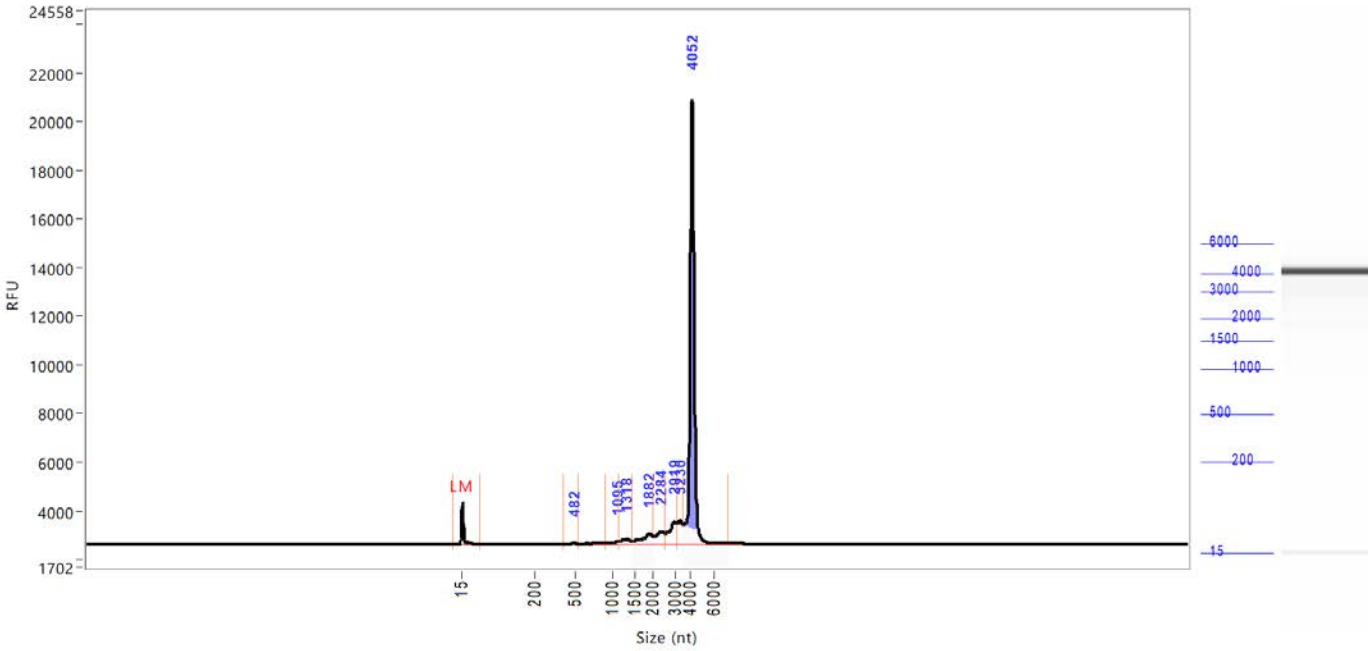
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	54	1965
2	479	0.1365	341	530	148
3	656	0.0811	530	686	110
4	799	0.1020	686	832	153
5	966	0.1464	832	987	193
6	1325	0.4124	987	1419	388
7	1856	0.7155	1419	1992	676
8	2298	0.6136	1992	2541	786
9	2892	0.6819	2541	3001	1211
10	3230	0.4944	3001	3438	1302
11	4052	4.7731	3438	5744	14183

TIC:	8.1570	ng/uL	
TIM:	10.3960	nmole/L	
Total concentration:	8.2772	ng/uL	
28s/18s:	73.0		
RQN	10.0		

Smear Analysis						
	3700 nt to 4800 nt	4.4302 ng/ul	53.5 %Total	3.4014 nmole/L	4063 Avg. Size (nt)	4.13 %CV
	4800 nt to 13000 nt	0.1047 ng/ul	1.3 %Total	0.0505 nmole/L	6470 Avg. Size (nt)	22.63 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: FK0738-2111004218
Well location: C10
Created: Thursday, November 18, 2021 1:39:17 PM



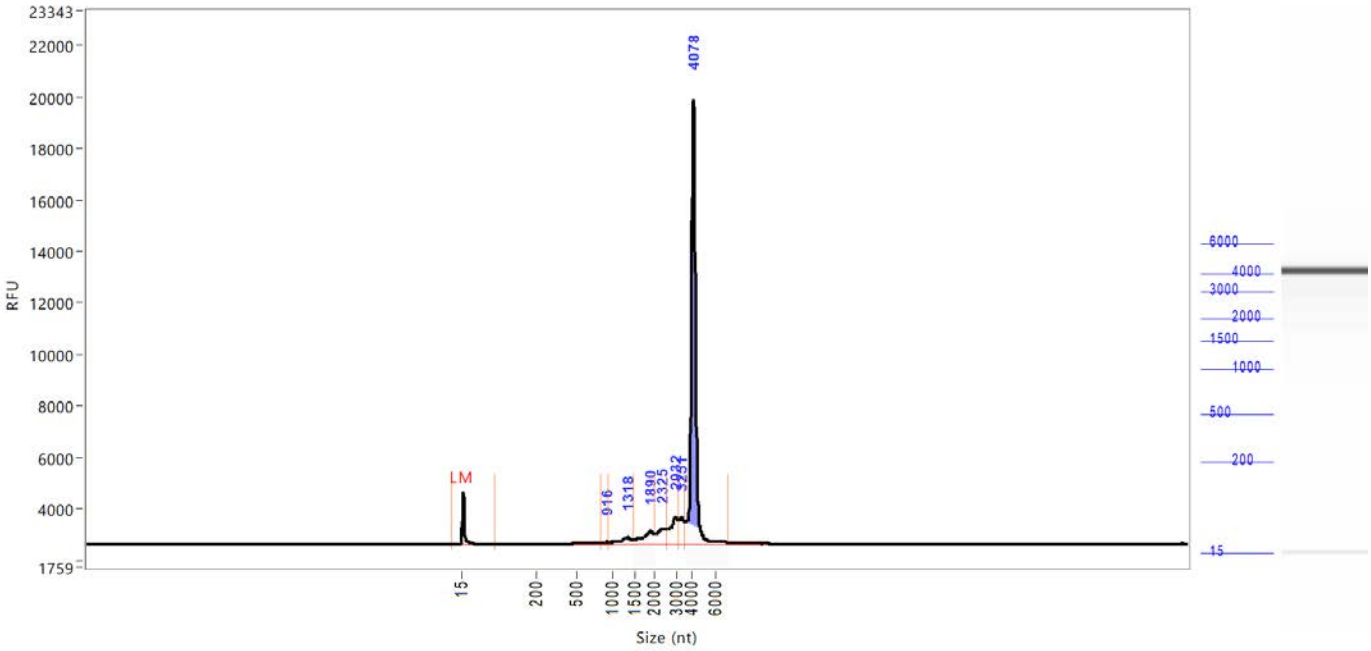
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	61	1695
2	482	0.0346	408	526	64
3	1095	0.0802	916	1136	92
4	1318	0.1835	1136	1433	219
5	1882	0.4555	1433	2001	441
6	2284	0.4162	2001	2528	508
7	2919	0.5854	2528	3022	945
8	3230	0.4514	3022	3459	990
9	4052	6.7331	3459	7089	18272

TIC:	8.9398	ng/uL	
TIM:	8.5127	nmole/L	
Total concentration:	9.0512	ng/uL	
28s/18s:	91.5		
RQN	10.0		

Smear Analysis						
	3700 nt to 4800 nt	6.3593 ng/ul	70.3 %Total	4.8705 nmole/L	4073 Avg. Size (nt)	4.06 %CV
	4800 nt to 13000 nt	0.2210 ng/ul	2.4 %Total	0.1046 nmole/L	6591 Avg. Size (nt)	25.06 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: FL5333-2111004115
Well location: C11
Created: Thursday, November 18, 2021 1:39:17 PM



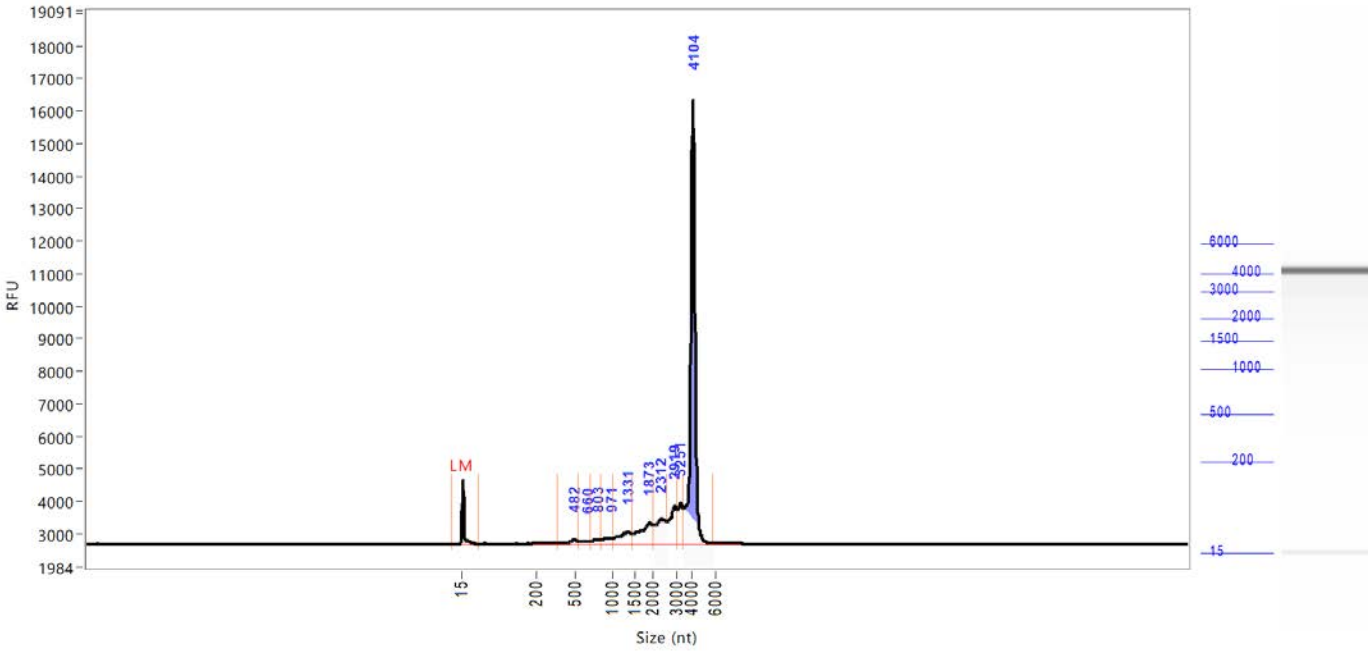
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	96	2035
2	916	0.0422	828	941	83
3	1318	0.2474	941	1439	259
4	1890	0.4521	1439	2014	525
5	2325	0.3980	2014	2541	584
6	2932	0.5580	2541	3063	1056
7	3251	0.4065	3063	3521	1042
8	4078	5.3065	3521	7013	17252

TIC:	7.4108	ng/uL
TIM:	7.1152	nmole/L
Total concentration:	7.5850	ng/uL
28s/18s:	81.4	
RQN	10.0	

Smear Analysis	3700 nt to 4800 nt	4.9789 ng/ul	65.6 %Total	3.7853 nmole/L	4103 Avg. Size (nt)	4.21 %CV
	4800 nt to 13000 nt	0.2984 ng/ul	3.9 %Total	0.1373 nmole/L	6781 Avg. Size (nt)	25.84 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: RM-E8493-2108002914
Well location: C12
Created: Thursday, November 18, 2021 1:39:17 PM



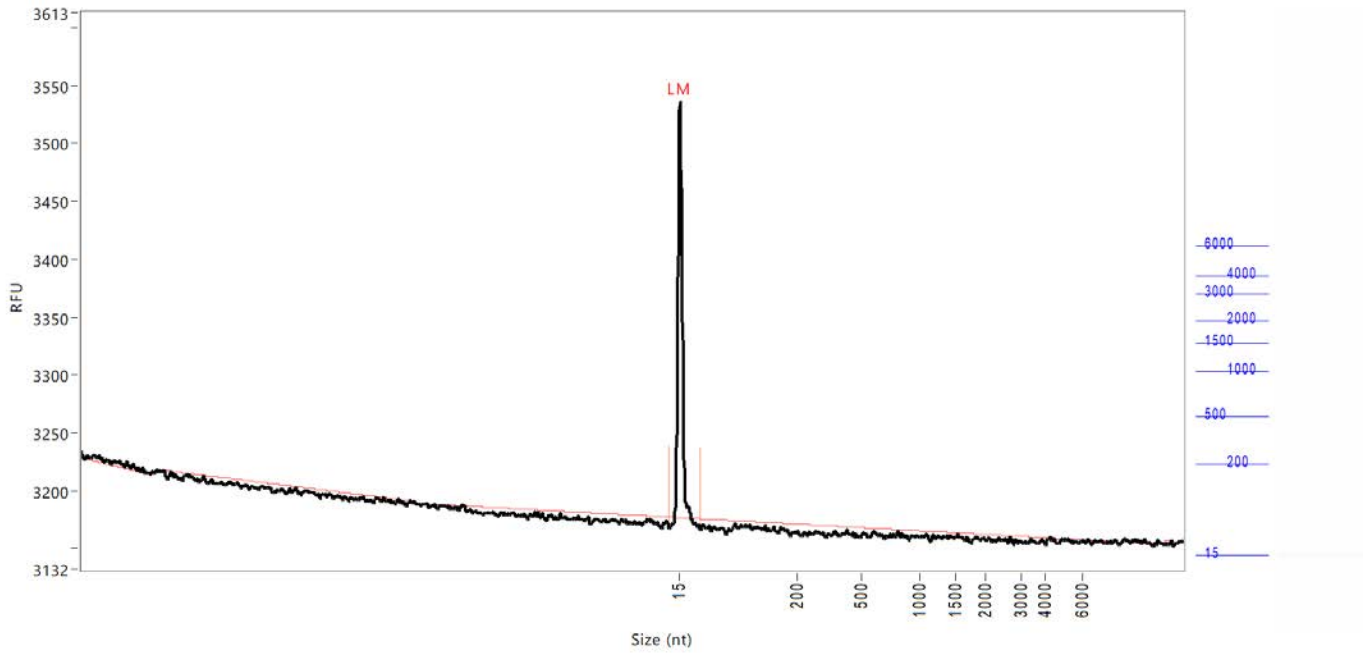
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	55	1962
2	482	0.1225	364	530	147
3	660	0.0833	530	698	105
4	803	0.0980	698	836	151
5	971	0.1498	836	996	189
6	1331	0.4051	996	1426	381
7	1873	0.7180	1426	2001	660
8	2312	0.6143	2001	2568	776
9	2919	0.6789	2568	3043	1181
10	3251	0.4909	3043	3459	1273
11	4104	4.6810	3459	5846	13671

TIC:	8.0418	ng/uL
TIM:	10.1087	nmole/L
Total concentration:	8.1624	ng/uL
28s/18s:	69.5	
RQN	10.0	

Smear Analysis	3700 nt to 4800 nt	4.3780 ng/ul	53.6 %Total	3.3294 nmole/L	4102 Avg. Size (nt)	4.24 %CV
	4800 nt to 13000 nt	0.1230 ng/ul	1.5 %Total	0.0565 nmole/L	6795 Avg. Size (nt)	29.48 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: blank
Well location: D10
Created: Thursday, November 18, 2021 1:39:17 PM



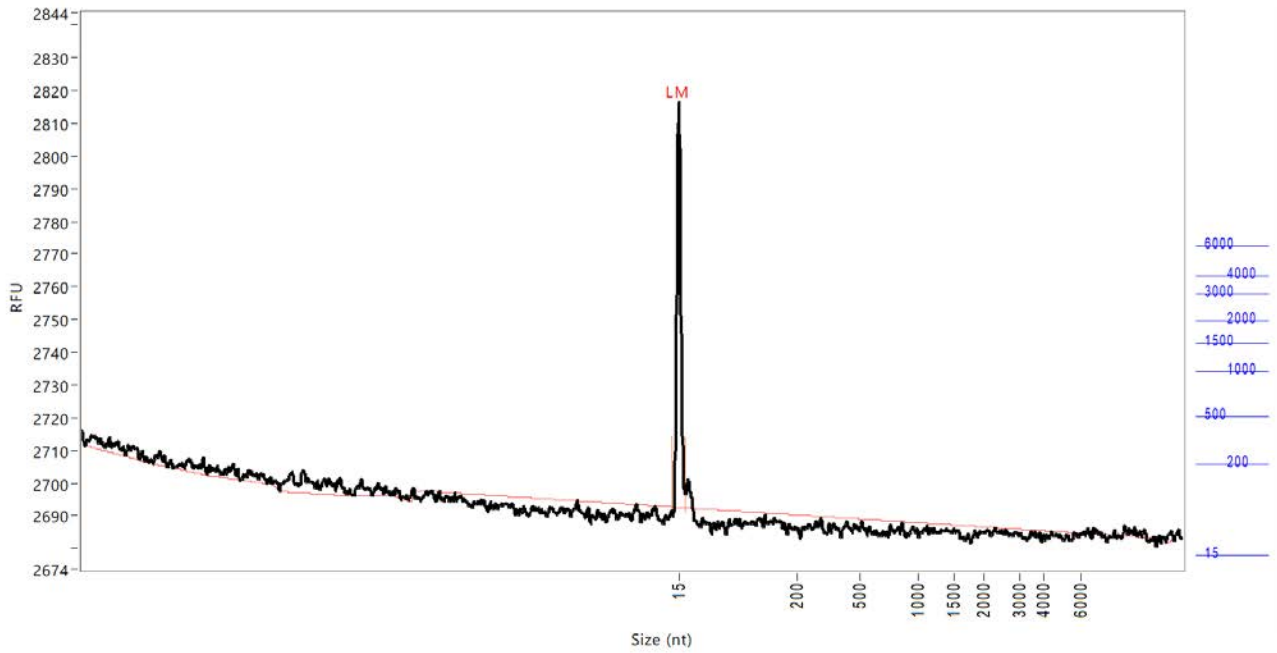
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	0	48	358

TIC:	0.0000	ng/uL
TIM:	0.0000	nmole/L
Total concentration:	0.0010	ng/uL
28s/18s:	0.0	
RQN	1.0	

Smear Analysis						
	3700 nt to 4800 nt	0.0000 ng/ul	0.0 %Total	NaN nmole/L	NaN Avg. Size (nt)	NaN %CV
	4800 nt to 13000 nt	0.0010 ng/ul	100.0 %Total	0.0003 nmole/L	9147 Avg. Size (nt)	7.07 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: blank
Well location: D11
Created: Thursday, November 18, 2021 1:39:17 PM



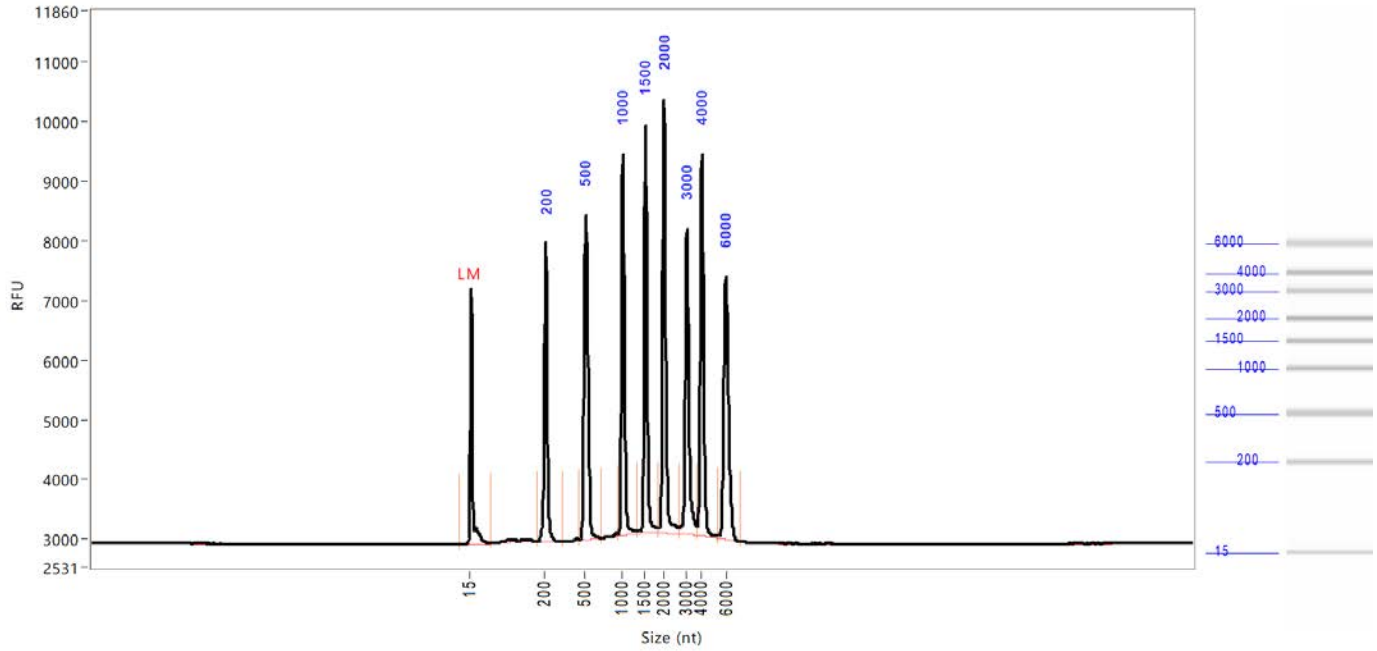
Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.0446	5	25	122

TIC:	0.0000	ng/uL
TIM:	0.0000	nmole/L
Total concentration:	0.0266	ng/uL
28s/18s:	0.0	
RQN	1.0	

Smear Analysis	3700 nt to 4800 nt	0.0000 ng/ul	0.0 %Total	NaN nmole/L	NaN Avg. Size (nt)	NaN %CV
	4800 nt to 13000 nt	0.0019 ng/ul	7.2 %Total	0.0006 nmole/L	9686 Avg. Size (nt)	11.58 %CV

```
Sample peak width (sec): 6    Sample min peak height: 50    Sample baseline V to V?: N    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Manual baseline start (min): 18     Manual baseline end (min): 59
Marker peak width (sec): 6    Marker min peak height: 100   Marker baseline V to V?: Y    Marker baseline V to V points: 3
Lower marker selection: First peak > 100 RFU                Upper marker selection: Last peak > 100 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Ladder          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: ladder
Well location: D12
Created: Thursday, November 18, 2021 1:39:17 PM



Peak	Size	Concentration	From	To	RFU
	(nt)	(ng/uL)	(nt)	(nt)	
1	15 (LM)	0.5000	0	67	4284
2	200	7.6275	180	328	5014
3	500	10.3534	454	719	5428
4	1000	8.4110	937	1311	6377
5	1500	8.3832	1311	1865	6836
6	2000	9.1802	1865	2636	7268
7	3000	7.4258	2636	3667	5111
8	4000	7.9895	3667	5282	6390
9	6000	7.7931	5282	7191	4406

TIC:	67.1636	ng/uL
TIM:	256.8871	nmole/L
Total concentration:	67.7209	ng/uL

```
Sample peak width (sec): 6    Sample min peak height: 200   Sample baseline V to V?: Y    Sample baseline V to V points: 3
Sample filter: Binomial       Number of points for filter: 9  Sample start region (min): 0  Sample end region (min): 60
Marker peak width (sec): 6    Marker min peak height: 200   Marker baseline V to V?: N    Marker baseline V to V points: 3
Lower marker selection: First peak > 200 RFU                Upper marker selection: Last peak > 200 RFU
Ladder size (nt)15, 200, 500, 1000, 1500, 2000, 3000, 4000, 6000
Quantification using: Lower Marker          Final concentration (ng/uL): 0.5000          Dilution factor: 12.0
Minimum RFU for data processing: 2
```

Sample: ladder
Well location: D12
Created: Thursday, November 18, 2021 1:39:17 PM
Fit type: Point to point