FEMTO Pulse Run Summary:
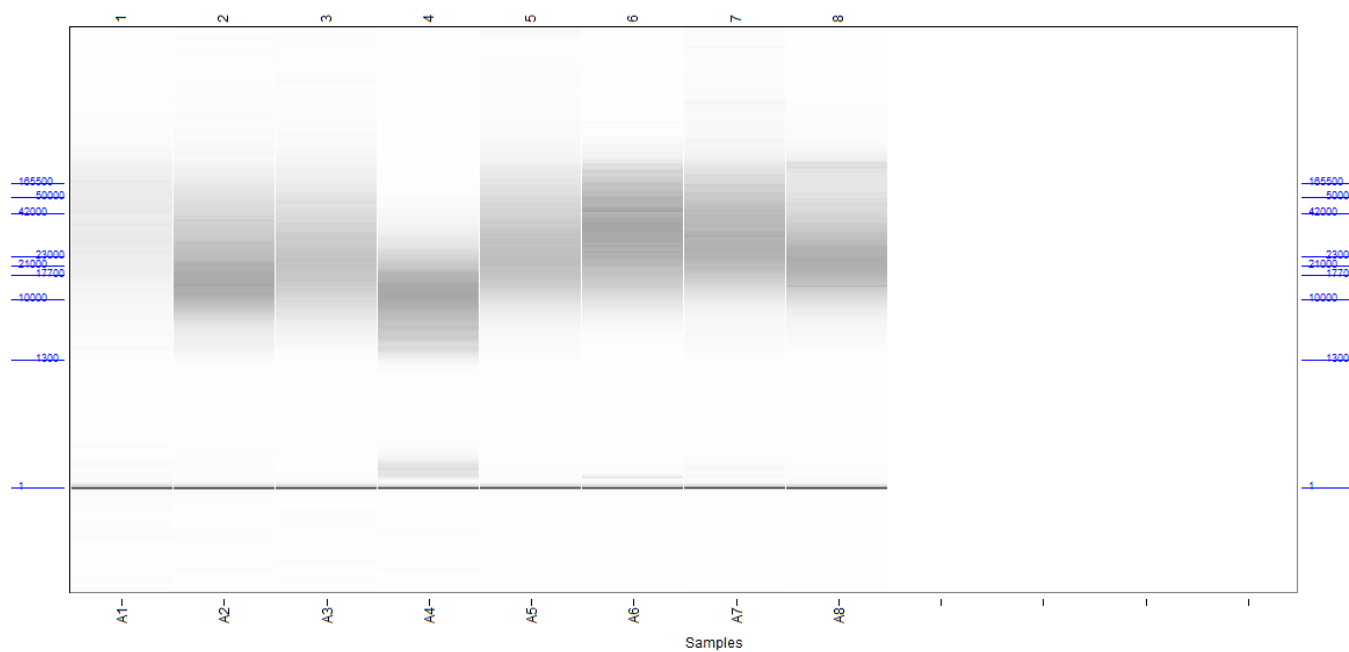
Filename and Data Path: C:\AATI\Data\2023 10 25\Tray-1 11-17-20\2023 10 25 11H 17M.raw
Created: 10/25/2023 11:34 AM
# of Capillaries: 8
Array Serial #: 070222-47USFP
Effect Length: 22 cm
Array Usage Count: 210
FEMTO Pulse Version #: 1.0.0.32
Device Serial #: F12204

METHOD INFORMATION
Method Name: FP-1002-22 - gDNA 165Kb.mthds
Gel Prime: No
Full Conditioning: Yes
Gel Prime to Buffer: No
Gel Selection: Gel 1
Perform Prerun: -5.0 kV, 60 sec.
Rinse: No
Marker 1: No
Rinse: Tray: 3, Row: A, # Dips: 1
Sample Injection: -5.0 kV, 30 sec.
Separation: 70.0 min.
Tray Name: Tray-1

Analysis Mode: gDNA

NOTES

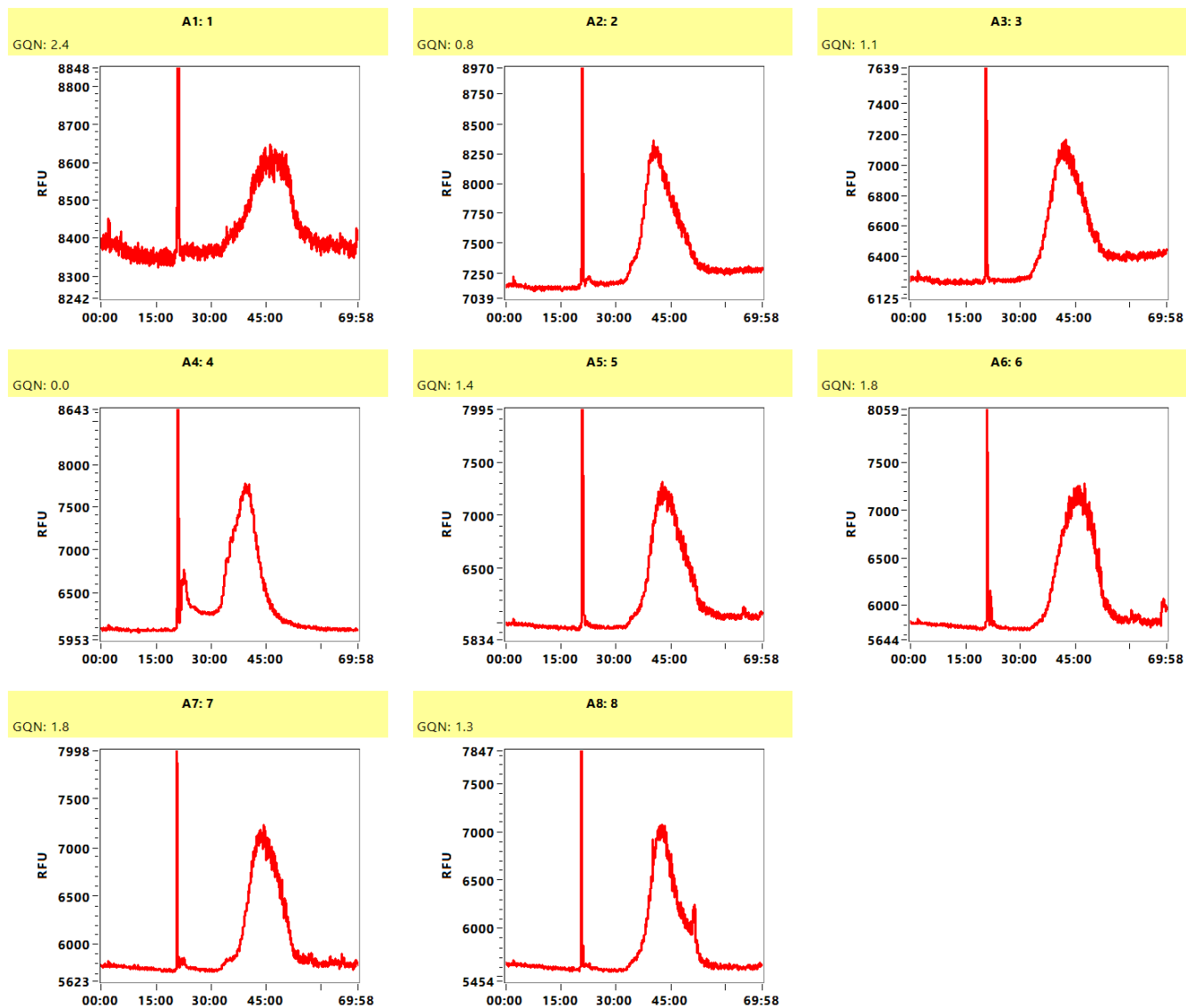Time Shift: Using configured: slope=0.00025, intercept=0.0

Gel Image

GQN Summary

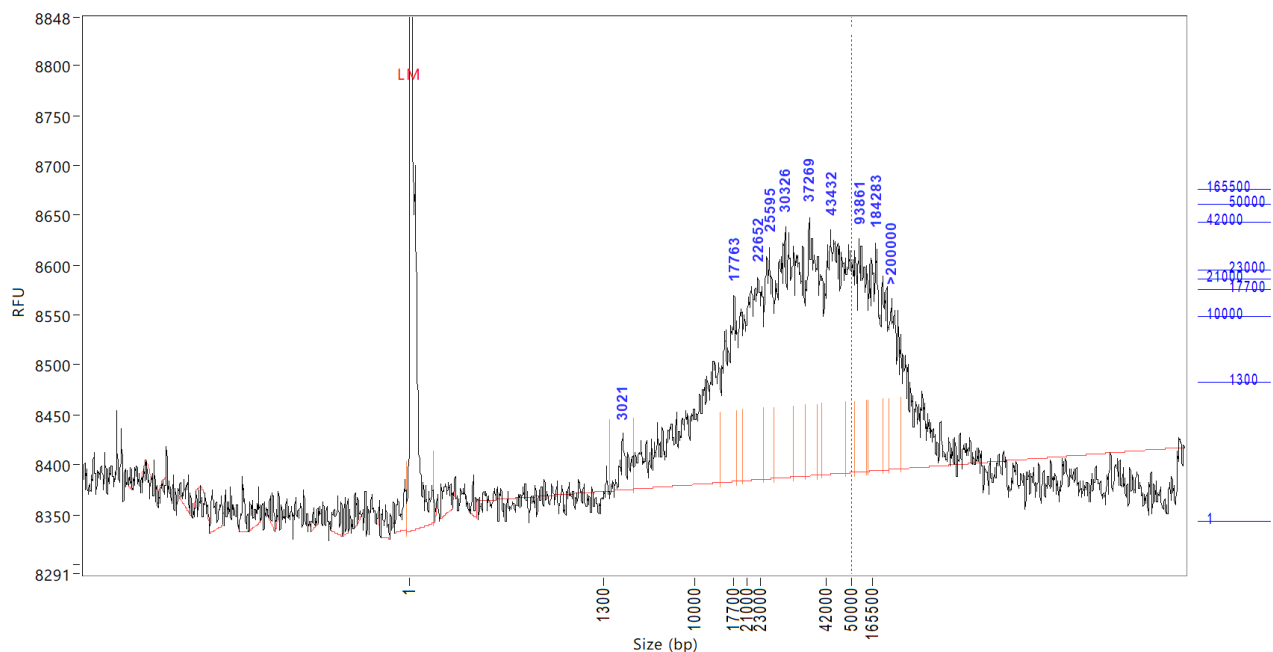| Well	Sample ID	GQN	Size Threshold (bp)	Total Conc. (ng/uL)
A1	1	2.4	50000	0.0511
A2	2	0.8	50000	0.2051
A3	3	1.1	50000	0.1408
A4	4	0.0	50000	0.2230
A5	5	1.4	50000	0.1597
A6	6	1.8	50000	0.2095
A7	7	1.8	50000	0.1899
A8	8	1.3	50000	0.1653

Filename and Data Path: C:\AATI\Data\2023 10 25\Tray-1 11-17-20\2023 10 25 11H 17M.raw

Sample: 1
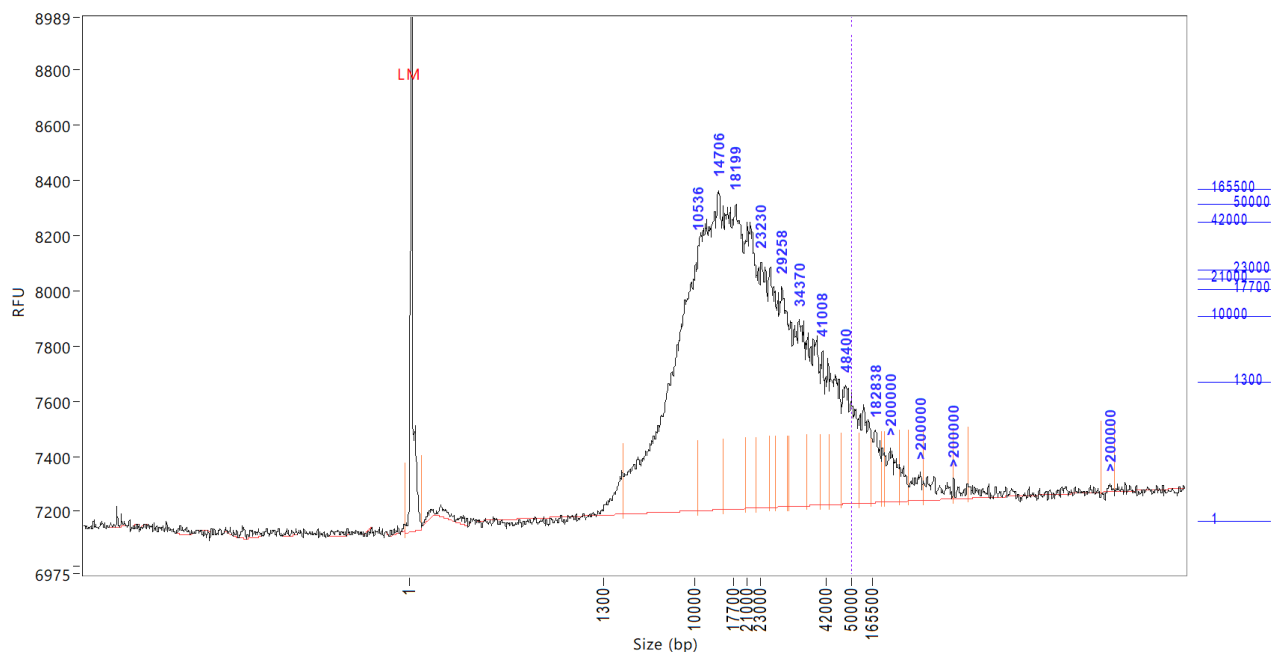**Well Location:** A1
Created: 10/25/2023 11:34 AM

Peak	Size (bp)	Conc. (ng/uL)	Rel. Conc. % (ng/uL)	Molarity (nmole/L)	From (bp)	To (bp)	CV%	RFU
1	1 (LM)	0.0017		0.2421	0	159	247.99	2399
2	3021	0.0008	2.5	0.0004	1756	4159	16.22	56
3	17763	0.0031	9.6	0.0003	15187	18635	5.77	185
4	22652	0.0047	14.9	0.0004	19817	23993	4.97	202
5	25595	0.0025	8.0	0.0002	23993	26969	3.35	231
6	30326	0.0049	15.3	0.0003	26969	32539	5.37	250
7	37269	0.0030	9.4	0.0001	36049	39482	2.62	258
8	43432	0.0054	17.1	0.0002	41008	48148	4.61	244
9	93861	0.0027	8.5	0.0000	67545	134798	19.56	232
10	184283	0.0030	9.5	0.0000	145032	>200000	12.94	228
11	>200000	0.0017	5.2	0.0000	>200000	>200000	6.29	170

TIC:	0.0317	ng/uL
TIM:	0.0019	nmole/L
Total Conc.:	0.0511	ng/uL
GQN:	2.4	
Threshold:	50000	

Sample Peak Width (sec): 20   Sample Min Peak Height: 50   Sample Baseline V to V?: Y   Sample Baseline V to V pts: 3
Sample Filter: Binomial   # of Pts for Filter: 3   Sample Start Region (min): 0 Sample End Region (min): 70
Manual Baseline Start (min): 25   Manual Baseline End (min): 70
Marker Peak Width (sec): 8   Marker Min Peak Height: 500   Marker Baseline V to V?: N   Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU   Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder   Final Concentration (ng/uL): 0.0200   Dilution Factor: 10.0
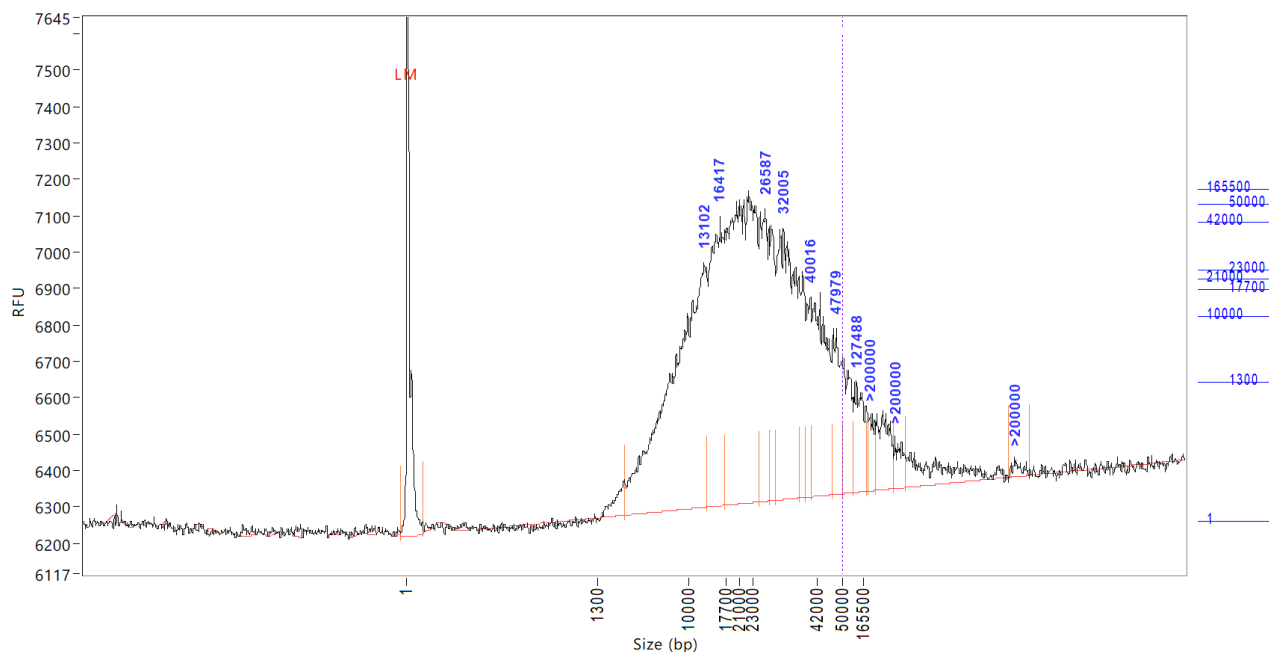Min. RFU for Data Processing: 1   Size Threshold (b.p.): 50000

Sample: 2
Well Location: A2
Created: 10/25/2023 11:34 AM

Peak	Size	Conc.	Rel. Conc.	Molarity	From	To	CV%	RFU
	(bp)	(ng/uL)	% (ng/uL)	(nmole/L)	(bp)	(bp)		
1	1 (LM)	0.0017		0.5182	0	71	328.43	2708
2	10536	0.0443	27.5	0.0093	3096	10643	24.39	962
3	14706	0.0340	21.1	0.0042	10643	15722	11.18	1152
4	18199	0.0285	17.7	0.0026	15722	20502	7.68	1101
5	23230	0.0137	8.5	0.0009	22435	25824	4.35	886
6	29258	0.0099	6.1	0.0006	27579	30860	3.28	795
7	34370	0.0131	8.1	0.0006	31470	36735	4.50	672
8	41008	0.0046	2.8	0.0002	40550	42927	1.70	558
9	48400	0.0071	4.4	0.0002	46969	98247	26.21	426
10	182838	0.0025	1.5	0.0000	159652	>200000	9.31	261
11	>200000	0.0022	1.4	0.0000	>200000	>200000	8.50	194
12	>200000	0.0010	0.6	0.0000	>200000	>200000	5.72	102
13	>200000	0.0004	0.3	0.0000	>200000	>200000	4.47	73
14	>200000	0.0001	0.1	0.0000	>200000	>200000	0.61	30

TIC:	0.1613	ng/uL
TIM:	0.0187	nmole/L
Total Conc.:	0.2051	ng/uL
GQN:	0.8	
Threshold:	50000	

Sample Peak Width (sec): 20   Sample Min Peak Height: 50   Sample Baseline V to V?: Y   Sample Baseline V to V pts: 3
Sample Filter: Binomial   # of Pts for Filter: 3   Sample Start Region (min): 0   Sample End Region (min): 70
Manual Baseline Start (min): 25   Manual Baseline End (min): 70
Marker Peak Width (sec): 8   Marker Min Peak Height: 500   Marker Baseline V to V?: N   Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU   Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder   Final Concentration (ng/uL): 0.0200   Dilution Factor: 10.0
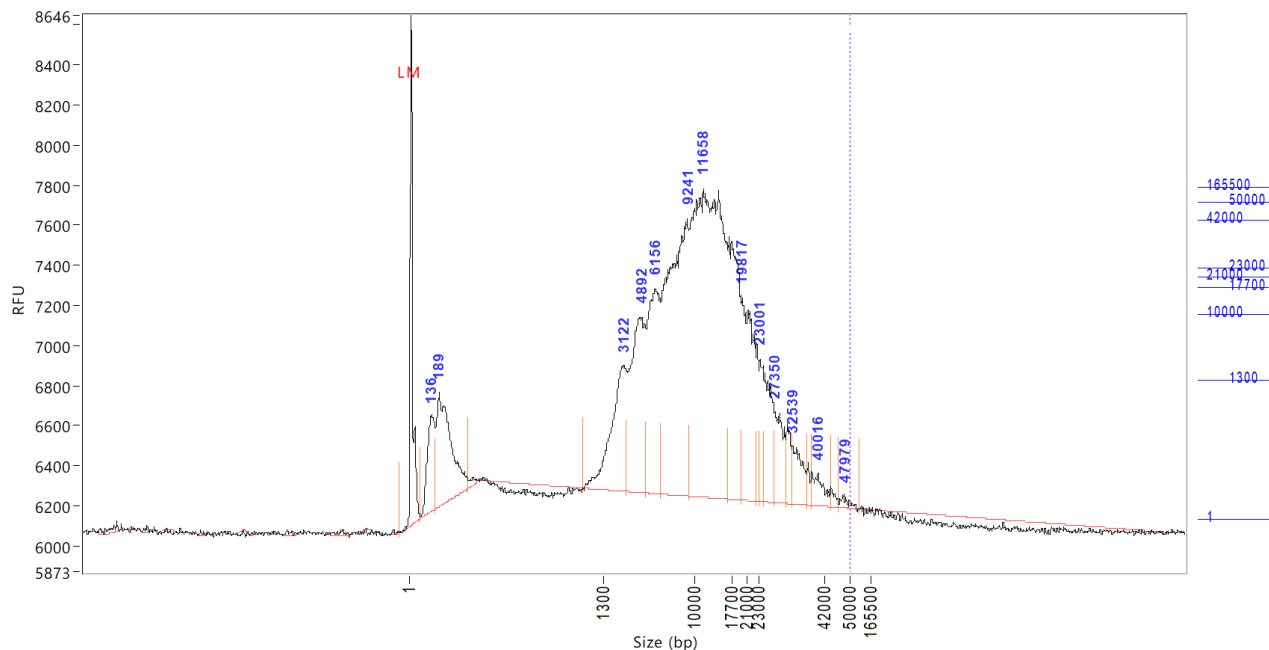Min. RFU for Data Processing: 1   Size Threshold (b.p.): 50000

Sample: 3
Well Location: A3
Created: 10/25/2023 11:34 AM

Peak	Size	Conc.	Rel. Conc.	Molarity	From	To	CV%	RFU
	(bp)	(ng/uL)	% (ng/uL)	(nmole/L)	(bp)	(bp)		
1	1 (LM)	0.0017		0.3300	0	110	258.45	2958
2	13102	0.0334	39.5	0.0058	3880	13904	27.05	671
3	16417	0.0139	16.5	0.0015	13904	17433	6.52	795
4	26587	0.0088	10.5	0.0006	24832	28037	3.56	803
5	32005	0.0153	18.1	0.0008	29944	36735	5.92	743
6	40016	0.0028	3.3	0.0001	38795	40321	1.16	549
7	47979	0.0044	5.2	0.0001	46632	55849	3.73	457
8	127488	0.0029	3.5	0.0000	114330	184283	13.94	307
9	>200000	0.0014	1.6	0.0000	195843	>200000	6.04	213
10	>200000	0.0011	1.4	0.0000	>200000	>200000	5.52	143
11	>200000	0.0004	0.4	0.0000	>200000	>200000	2.94	52

TIC:	0.0843	ng/uL
TIM:	0.0089	nmole/L
Total Conc.:	0.1408	ng/uL
GQN:	1.1	
Threshold:	50000	

Sample: 4
Well Location: A4
Created: 10/25/2023 11:34 AM

Peak	Size (bp)	Conc. (ng/uL)	Rel. Conc. % (ng/uL)	Molarity (nmole/L)	From (bp)	To (bp)	CV%	RFU
1	1 (LM)	0.0017		0.6399	0	65	299.16	3600
2	136	0.0081	4.1	0.1017	65	164	16.22	478
3	189	0.0172	8.7	0.1197	164	385	21.96	569
4	3122	0.0141	7.1	0.0096	1159	3476	29.08	628
5	4892	0.0176	8.9	0.0065	3476	5296	11.64	875
6	6156	0.0167	8.4	0.0046	5296	6713	6.80	1020
7	9241	0.0371	18.7	0.0075	6713	9393	9.63	1379
8	11658	0.0608	30.6	0.0079	9393	16791	17.51	1535
9	19817	0.0136	6.9	0.0011	19693	22565	3.88	1011
10	23001	0.0033	1.7	0.0002	22957	24222	1.71	712
11	27350	0.0044	2.2	0.0002	27350	30707	3.40	451
12	32539	0.0031	1.6	0.0002	32462	36812	3.64	289
13	40016	0.0019	1.0	0.0001	37956	43769	4.02	166
14	47979	0.0005	0.2	0.0000	46043	101171	15.43	68

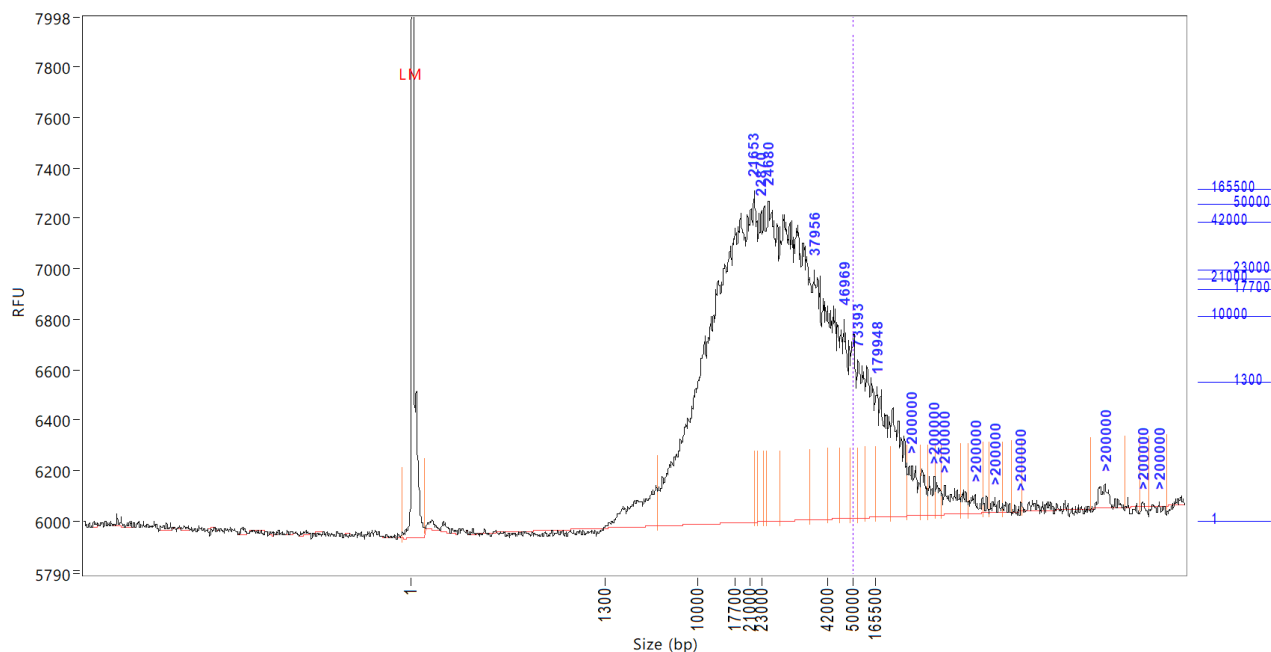|		
TIC:	0.1984	ng/uL
TIM:	0.2593	nmole/L
Total Conc.:	0.2230	ng/uL
GQN:	0.0	
Threshold:	50000	

Sample Peak Width (sec): 20   Sample Min Peak Height: 50   Sample Baseline V to V?: Y   Sample Baseline V to V pts: 3
Sample Filter: Binomial   # of Pts for Filter: 3   Sample Start Region (min): 0 Sample End Region (min): 70
Manual Baseline Start (min): 25   Manual Baseline End (min): 70
Marker Peak Width (sec): 8   Marker Min Peak Height: 500   Marker Baseline V to V?: N   Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU   Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder   Final Concentration (ng/uL): 0.0200   Dilution Factor: 10.0
Min. RFU for Data Processing: 1   Size Threshold (b.p.): 50000

Sample: 5
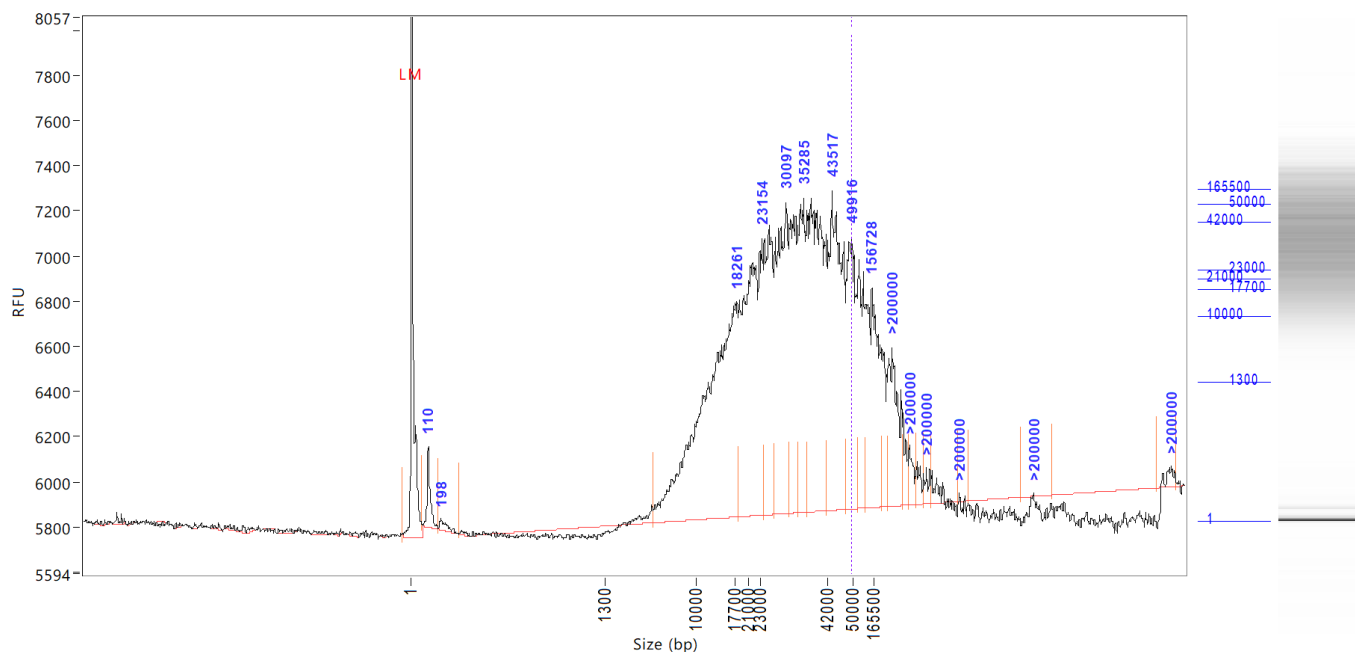**Well Location:** A5
Created: 10/25/2023 11:34 AM

Peak	Size (bp)	Conc. (ng/uL)	Rel. Conc. % (ng/uL)	Molarity (nmole/L)	From (bp)	To (bp)	CV%	RFU
1	1 (LM)	0.0017		0.3755	0	87	258.81	4047
2	21653	0.0594	55.9	0.0065	6232	21914	29.35	1313
3	22870	0.0055	5.2	0.0004	22305	23306	1.26	1237
4	24680	0.0124	11.7	0.0008	24298	28037	4.21	1273
5	37956	0.0117	11.0	0.0005	36735	41771	3.75	991
6	46969	0.0054	5.1	0.0002	45622	49074	2.15	790
7	73393	0.0035	3.2	0.0001	71931	118716	14.77	624
8	179948	0.0043	4.1	0.0000	172724	>200000	11.67	515
9	>200000	0.0014	1.3	0.0000	>200000	>200000	5.72	199
10	>200000	0.0006	0.5	0.0000	>200000	>200000	2.62	154
11	>200000	0.0009	0.8	0.0000	>200000	>200000	5.27	116
12	>200000	0.0004	0.4	0.0000	>200000	>200000	3.27	77
13	>200000	0.0002	0.2	0.0000	>200000	>200000	2.41	62
14	>200000	0.0001	0.1	0.0000	>200000	>200000	1.75	35
15	>200000	0.0005	0.5	0.0000	>200000	>200000	2.35	97
16	>200000	0.0000	0.0	0.0000	>200000	>200000	0.29	20
17	>200000	0.0000	0.0	0.0000	>200000	>200000	0.95	17

TIC:	0.1063	ng/uL
TIM:	0.0085	nmole/L
Total Conc.:	0.1597	ng/uL
GQN:	1.4	
Threshold:	50000	

Sample Peak Width (sec): 20   Sample Min Peak Height: 50   Sample Baseline V to V?: Y   Sample Baseline V to V pts: 3
Sample Filter: Binomial   # of Pts for Filter: 3   Sample Start Region (min): 0 Sample End Region (min): 70
Manual Baseline Start (min): 25   Manual Baseline End (min): 70
Marker Peak Width (sec): 8   Marker Min Peak Height: 500   Marker Baseline V to V?: N   Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU   Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder   Final Concentration (ng/uL): 0.0200   Dilution Factor: 10.0
Min. RFU for Data Processing: 1   Size Threshold (b.p.): 50000

Date Printed: 10/25/2023 2:42 PM

Sample: 6
Well Location: A6
Created: 10/25/2023 11:34 AM

Peak	Size	Conc.	Rel. Conc.	Molarity	From	To	CV%	RFU
	(bp)	(ng/uL)	% (ng/uL)	(nmole/L)	(bp)	(bp)		
1	1 (LM)	0.0017		0.4355	0	76	270.58	3223
2	110	0.0025	1.7	0.0353	76	177	13.90	354
3	198	0.0007	0.5	0.0056	177	316	13.51	51
4	18261	0.0409	27.1	0.0051	5828	18510	26.16	951
5	23154	0.0265	17.5	0.0021	18510	23611	6.60	1225
6	30097	0.0182	12.0	0.0010	26816	31165	4.40	1373
7	35285	0.0115	7.6	0.0005	33683	36354	2.25	1390
8	43517	0.0196	13.0	0.0007	42001	47895	3.77	1413
9	49916	0.0113	7.5	0.0003	47895	77779	16.30	1205
10	156728	0.0107	7.1	0.0001	124564	>200000	14.80	973
11	>200000	0.0067	4.5	0.0000	>200000	>200000	8.55	703
12	>200000	0.0012	0.8	0.0000	>200000	>200000	3.40	262
13	>200000	0.0007	0.5	0.0000	>200000	>200000	2.91	162
14	>200000	0.0000	0.0	0.0000	>200000	>200000	2.05	38
15	>200000	0.0000	0.0	0.0000	>200000	>200000	0.12	15
16	>200000	0.0005	0.3	0.0000	>200000	>200000	1.20	93

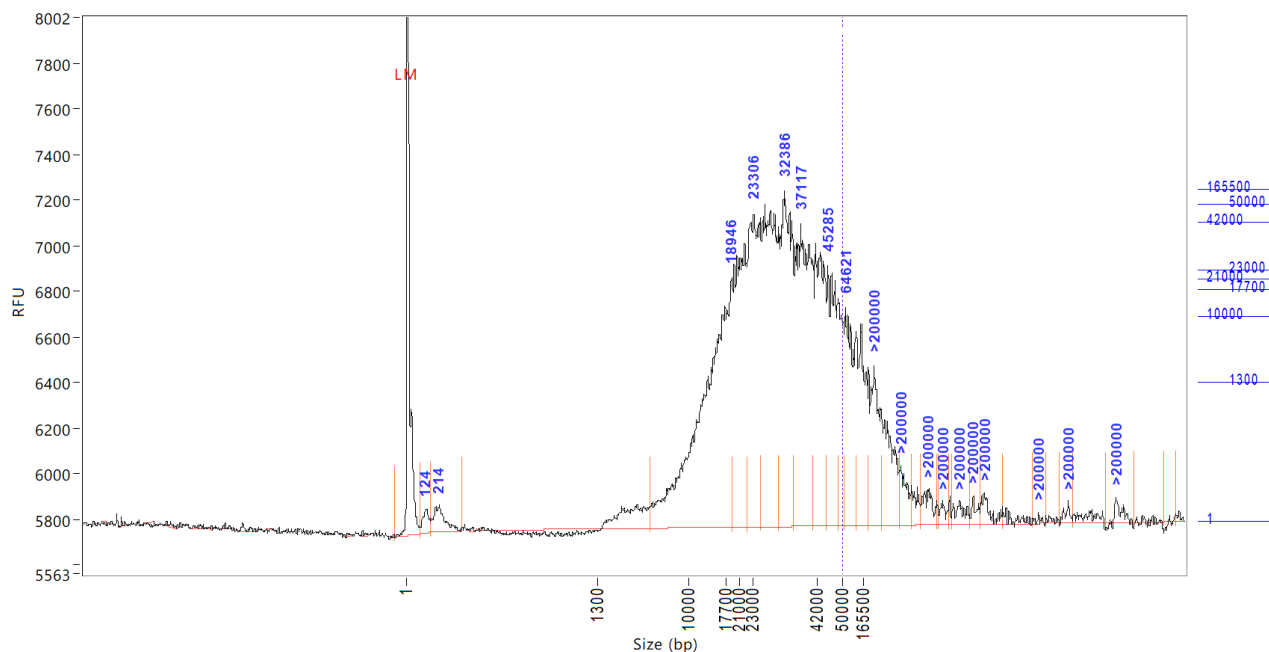|			
TIC:	0.1512	ng/uL	
TIM:	0.0509	nmole/L	
Total Conc.:	0.2095	ng/uL	
GQN:	1.8		
Threshold:	50000		

Sample Peak Width (sec): 20 Sample Min Peak Height: 50 Sample Baseline V to V?: Y Sample Baseline V to V pts: 3
Sample Filter: Binomial # of Pts for Filter: 3 Sample Start Region (min): 0 Sample End Region (min): 70
Manual Baseline Start (min): 25 Manual Baseline End (min): 70
Marker Peak Width (sec): 8 Marker Min Peak Height: 500 Marker Baseline V to V?: N Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder Final Concentration (ng/uL): 0.0200 Dilution Factor: 10.0
Min. RFU for Data Processing: 1 Size Threshold (b.p.): 50000
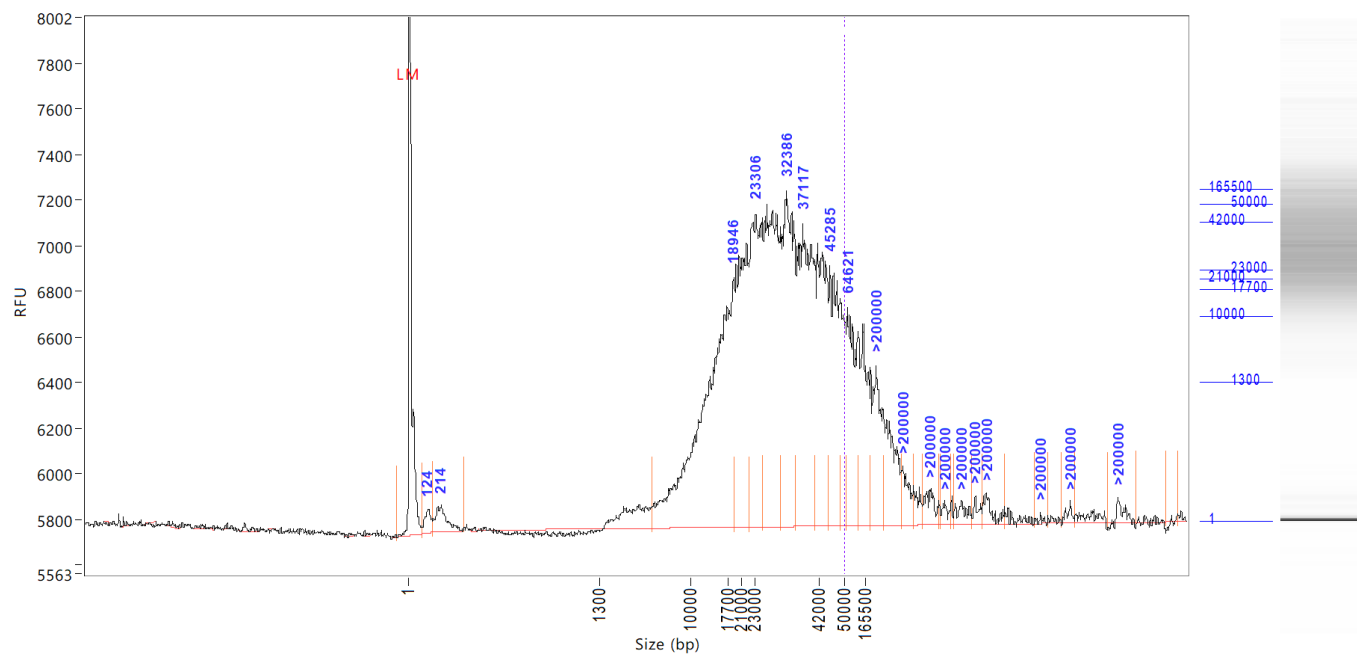
Sample: 7
Well Location: A7
Created: 10/25/2023 11:34 AM

Peak	Size (bp)	Conc. (ng/uL)	Rel. Conc. % (ng/uL)	Molarity (nmole/L)	From (bp)	To (bp)	CV%	RFU
1	1 (LM)	0.0017		0.3755	0	87	228.45	3727
2	124	0.0013	1.0	0.0172	87	157	14.76	104
3	214	0.0025	2.0	0.0185	157	369	19.65	118
4	18946	0.0363	29.3	0.0043	6257	19319	25.58	1093
5	23306	0.0170	13.8	0.0012	22131	25595	4.42	1371
6	32386	0.0180	14.6	0.0009	30479	35133	4.08	1470
7	37117	0.0185	15.0	0.0008	35133	40550	4.17	1324
8	45285	0.0100	8.1	0.0004	45032	48905	2.44	1144
9	64621	0.0078	6.3	0.0001	61697	128950	21.41	958
10	>200000	0.0062	5.0	0.0000	191508	>200000	10.00	703
11	>200000	0.0015	1.2	0.0000	>200000	>200000	4.87	259
12	>200000	0.0011	0.9	0.0000	>200000	>200000	4.51	157
13	>200000	0.0005	0.4	0.0000	>200000	>200000	2.92	103
14	>200000	0.0007	0.6	0.0000	>200000	>200000	3.86	102
15	>200000	0.0005	0.4	0.0000	>200000	>200000	1.95	126
16	>200000	0.0008	0.7	0.0000	>200000	>200000	4.13	138
17	>200000	0.0001	0.1	0.0000	>200000	>200000	1.69	49
18	>200000	0.0003	0.2	0.0000	>200000	>200000	1.29	99
19	>200000	0.0005	0.4	0.0000	>200000	>200000	1.54	110
20	0	0.0000	0.0	0.0000	>200000	0	0.60	33

TIC:	0.1237	ng/uL	
TIM:	0.0434	nmole/L	
Total Conc.:	0.1899	ng/uL	

```
Sample Peak Width (sec): 20    Sample Min Peak Height: 50    Sample Baseline V to V?: Y    Sample Baseline V to V pts: 3
Sample Filter: Binomial        # of Pts for Filter: 3        Sample Start Region (min): 0  Sample End Region (min): 70
Manual Baseline Start (min): 25     Manual Baseline End (min): 70
Marker Peak Width (sec): 8     Marker Min Peak Height: 500   Marker Baseline V to V?: N    Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU               Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder        Final Concentration (ng/uL): 0.0200        Dilution Factor: 10.0
Min. RFU for Data Processing: 1     Size Threshold (b.p.): 50000
```

Sample: 7
Well Location: A7
Created: 10/25/2023 11:34 AM

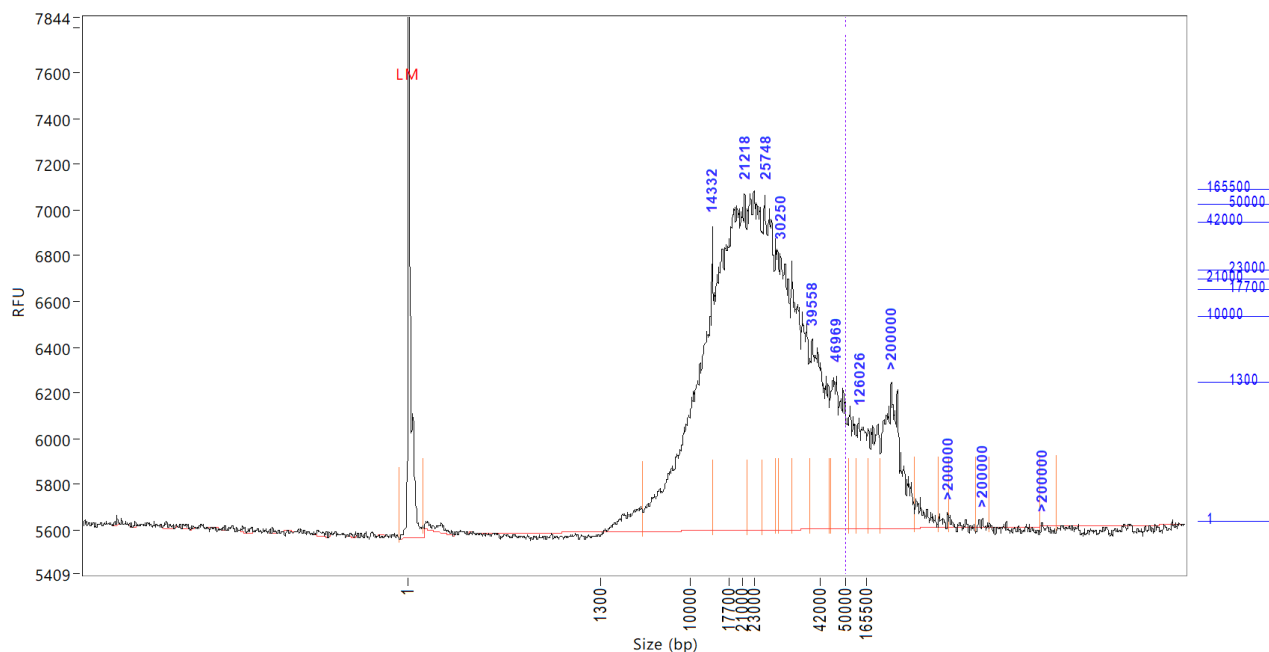| Peak	Size	Conc.	Rel. Conc.	Molarity	From	To	CV%	RFU
	(bp)	(ng/uL)	% (ng/uL)	(nmole/L)	(bp)	(bp)		

GQN: 1.8
Threshold: 50000

Sample Peak Width (sec): 20   Sample Min Peak Height: 50   Sample Baseline V to V?: Y   Sample Baseline V to V pts: 3
Sample Filter: Binomial   # of Pts for Filter: 3   Sample Start Region (min): 0   Sample End Region (min): 70
Manual Baseline Start (min): 25   Manual Baseline End (min): 70
Marker Peak Width (sec): 8   Marker Min Peak Height: 500   Marker Baseline V to V?: N   Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU   Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder   Final Concentration (ng/uL): 0.0200   Dilution Factor: 10.0
Min. RFU for Data Processing: 1   Size Threshold (b.p.): 50000

Sample: 8
Well Location: A8
Created: 10/25/2023 11:34 AM

Peak	Size (bp)	Conc. (ng/uL)	Rel. Conc. % (ng/uL)	Molarity (nmole/L)	From (bp)	To (bp)	CV%	RFU
1	1 (LM)	0.0017		0.3755	0	101	275.05	3794
2	14332	0.0276	22.4	0.0042	5322	14599	23.10	1331
3	21218	0.0376	30.5	0.0034	14599	21696	11.45	1470
4	25748	0.0144	11.7	0.0009	25137	28952	4.13	1467
5	30250	0.0127	10.3	0.0007	29639	33759	3.83	1210
6	39558	0.0107	8.7	0.0004	38872	44864	4.11	832
7	46969	0.0076	6.2	0.0003	45453	70469	11.50	670
8	126026	0.0039	3.2	0.0000	108482	177058	14.14	485
9	>200000	0.0084	6.8	0.0000	>200000	>200000	14.79	639
10	>200000	0.0002	0.2	0.0000	>200000	>200000	3.12	68
11	>200000	0.0001	0.1	0.0000	>200000	>200000	2.13	38
12	>200000	0.0000	0.0	0.0000	>200000	>200000	0.45	14

TIC:	0.1232	ng/uL
TIM:	0.0099	nmole/L
Total Conc.:	0.1653	ng/uL
GQN:	1.3	
Threshold:	50000	

Sample Peak Width (sec): 20   Sample Min Peak Height: 50   Sample Baseline V to V?: Y   Sample Baseline V to V pts: 3
Sample Filter: Binomial   # of Pts for Filter: 3   Sample Start Region (min): 0   Sample End Region (min): 70
Manual Baseline Start (min): 25   Manual Baseline End (min): 70
Marker Peak Width (sec): 8   Marker Min Peak Height: 500   Marker Baseline V to V?: N   Marker Baseline V to V pts: 3
Lower Marker Selection: First Peak > 500 RFU   Upper Marker Selection: Last Peak > 500 RFU
Ladder Size (bp)1, 1300, 10000, 17700, 21000, 23000, 42000, 50000, 165500
Quantification Using: Ladder   Final Concentration (ng/uL): 0.0200   Dilution Factor: 10.0
Min. RFU for Data Processing: 1   Size Threshold (b.p.): 50000

Sample: ladder
Well Location: A12
Created: 10/25/2023 11:34 AM
Fit Type: Point to Point

Calibration Curve