

Instrument controller software run summary:

Filename and data path: T:\backups\FEMTO_Pulse\2024 03 26\KN_AS_samQC_SN 16-13-13\2024 03 26 16H 13M.raw
Created: 3/26/2024 4:30 PM
Number of capillaries: 12
Array serial number: 101422-29USFP
Effective length: 22 cm
Array usage count: 124
Instrument type: Femto Pulse
Instrument controller software version: 2.0.0.3
Device serial number: F12138

Method Information

Method name: FP-1002E22 - Extended gDNA 165 Kb.mthds
Gel prime: No
Full conditioning: Yes
Gel prime to buffer: No
Gel selection: Gel 1
Prerun: -5.0 kV, 60 sec.
Rinse: Tray: Marker, Row: E, Number of dips: 1
Marker 1: No
Rinse: Tray: Marker, Row: E, Number of dips: 1
Sample injection: -5.0 kV, 30 sec.
Separation: 180.0 min.
Tray Name: 20240326_KM_MA

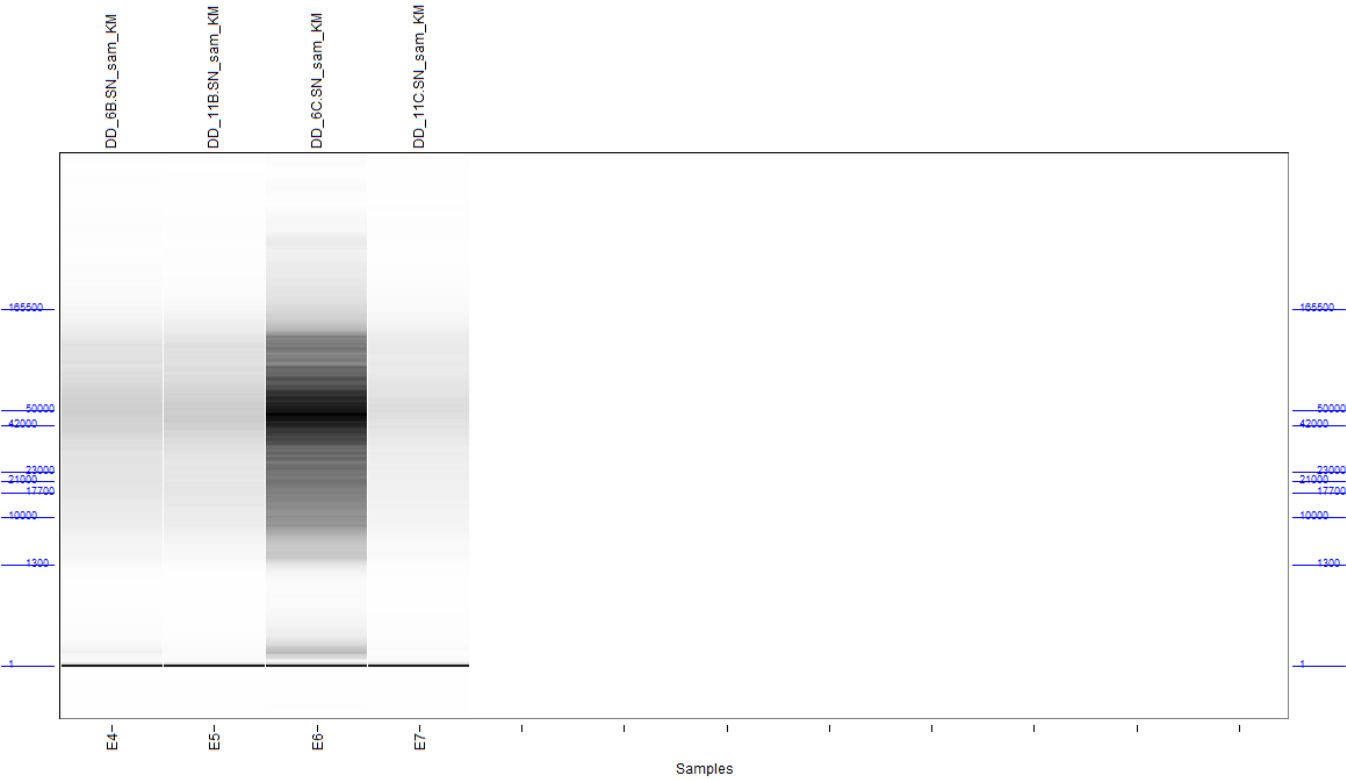
Analysis mode: gDNA

Report Generated on 09-Apr-2024 at 09:58:14 AM

Notes

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

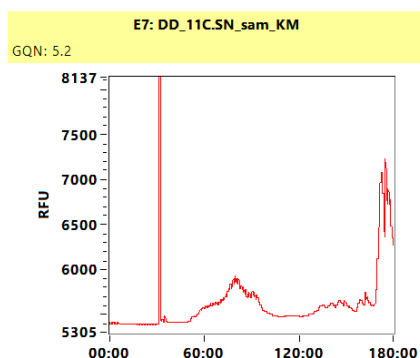
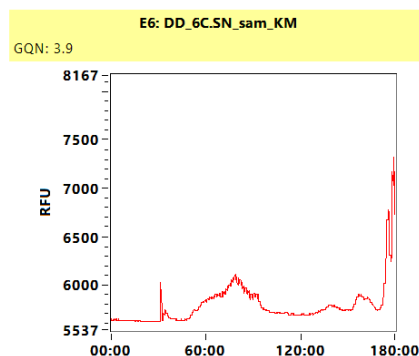
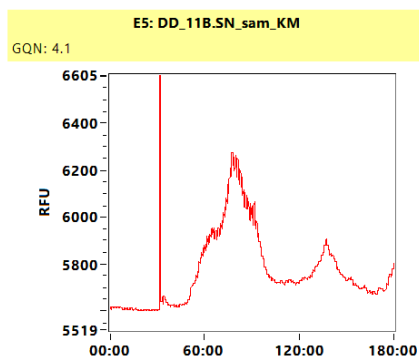
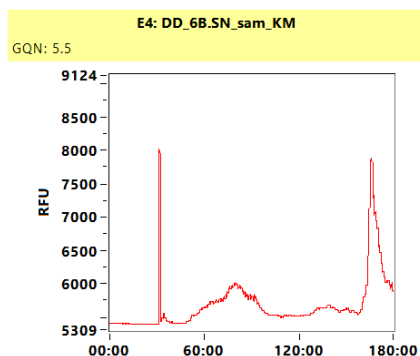
Gel Image

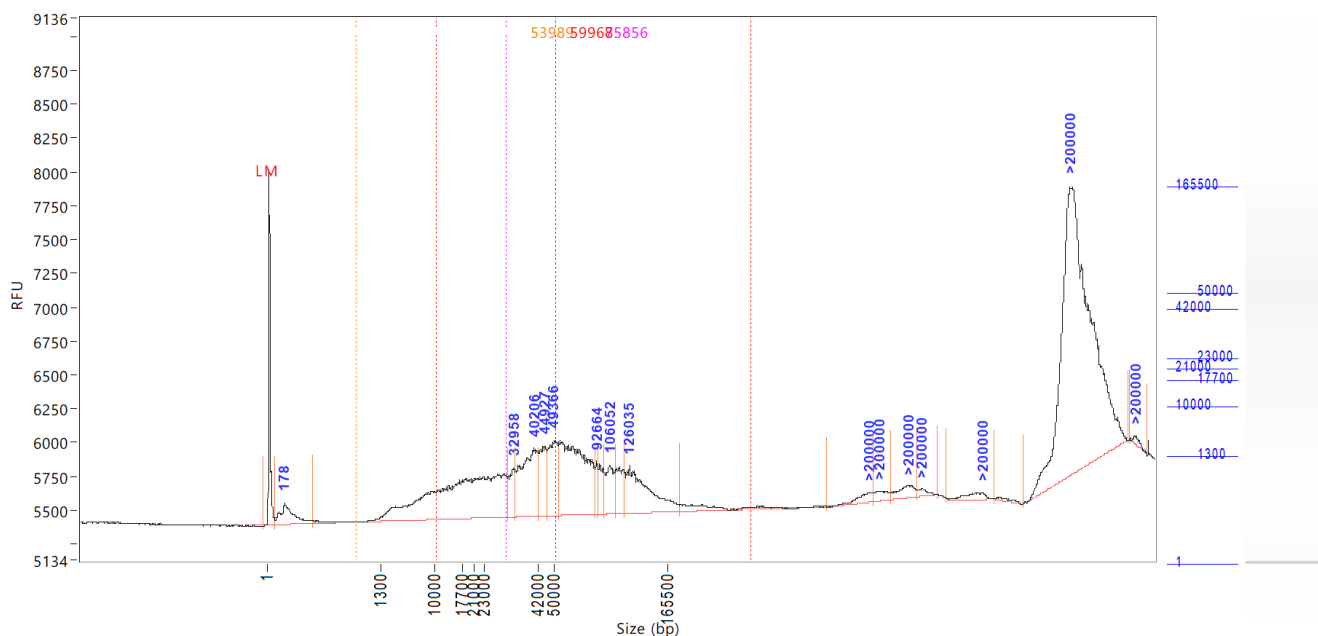


GQN Summary

Well	Sample ID	Gqn	Size threshold (bp)	Total concentration (ng/uL)
E4	DD_6B.SN_sam_K M	5.5	50000	0.2008
E5	DD_11B.SN_sam_ KM	4.1	50000	0.1375
E6	DD_6C.SN_sam_K M	3.9	50000	0.7449
E7	DD_11C.SN_sam_ KM	5.2	50000	0.1074

Filename and data path: T:\backups\FEMTO_Pulse\2024 03 26\KN_AS_samQC_SN 16-13-13\2024 03 26 16H 13M.raw



Sample: DD_6B.SN_sam_KM**Well location:** E4**Created:** 3/26/2024 4:30 PM

Sample Peak Width (sec): 50

Sample filter: Binomial

Manual baseline start (min): 27

Marker baseline V to V?: Y

Ladder size (bp) 1, 1300, 10000,
17700, 21000, 23000, 42000,
50000, 165500

Sample Min Peak Height: 50

Number of points for filter: 3

Manual baseline end (min): 125

Marker baseline V to V points: 3

Quantification using: Ladder
Final concentration (ng/uL): 0.0200
Dilution factor: 10.0

Sample Baseline V to V?: Y

Sample start region (min): 0

Marker peak width (sec): 8

Lower marker selection: First peak
> 500 RFU

Size threshold (b.p.): 50000

Sample Baseline V to V pts: 3

Sample end region (min): 180

Marker min peak height: 500

Upper marker selection: Last peak
> 500 RFU

Sample: DD_6B.SN_sam_KM
Well location: E4
Created: 3/26/2024 4:30 PM

Table Information

Peak Table

Peak	Size	Concentrati on	Relative concentrati on	Molarity	From	To	Average size	Percent CV	RFU	Corrected peak area
	(bp)	(ng/uL)	Percent	(nmole/L)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0015		0.4031	0	72	6	216.20	2630	21.674
2	178	0.0080	6.8	0.0566	72	511	231	43.65	161	11.248
3	32958	0.0040	3.5	0.0002	31128	33767	32488	2.33	364	5.708
4	40206	0.0151	13.0	0.0007	33767	42000	38127	6.21	502	21.412
5	44927	0.0064	5.5	0.0002	42000	46147	44059	2.76	514	9.041
6	49366	0.0091	7.8	0.0003	46147	53798	49355	4.27	556	12.938
7	92664	0.0017	1.5	0.0000	90965	94462	92692	1.11	391	2.466
8	106052	0.0047	4.1	0.0001	101056	112247	106675	2.99	362	6.711
9	126035	0.0113	9.6	0.0001	121738	178281	141351	10.33	352	15.946
10	>200000	0.0012	1.0	0.0000	>200000	>200000	>200000	2.69	72	1.665
11	>200000	0.0010	0.8	0.0000	>200000	>200000	>200000	1.30	74	1.393
12	>200000	0.0016	1.3	0.0000	>200000	>200000	>200000	1.85	89	2.199
13	>200000	0.0005	0.4	0.0000	>200000	>200000	>200000	1.03	56	0.690
14	>200000	0.0009	0.8	0.0000	>200000	>200000	>200000	2.04	51	1.296
15	>200000	0.0510	43.7	0.0001	>200000	>200000	>200000	2.86	2129	72.175
16	>200000	0.0003	0.3	0.0000	>200000	0	>200000	0.30	61	0.454
	TIC:	0.1169	ng/uL							
	TIM:	0.0584	nmole/L							
	Total concentrati on:	0.2008	ng/uL							
Smear Analysis	10000 bp to 250000 bp		0.1200 ng/ul		59.8 %Total		0.0033 nmole/L	59968 Avg. Size (bp)		71.46 %CV
	30000 bp to 250000 bp		0.0859 ng/ul		42.8 %Total		0.0019 nmole/L	75856 Avg. Size (bp)		53.77 %CV
	1000 bp to 250000 bp		0.1350 ng/ul		67.2 %Total		0.0041 nmole/L	53989 Avg. Size (bp)		81.13 %CV

Sample: DD_11B.SN_sam_KM**Well location:** E5**Created:** 3/26/2024 4:30 PM

Sample Peak Width (sec): 50

Sample filter: Binomial

Manual baseline start (min): 27

Marker baseline V to V?: Y

Ladder size (bp) 1, 1300, 10000,
17700, 21000, 23000, 42000,
50000, 165500

Sample Min Peak Height: 50

Number of points for filter: 3

Manual baseline end (min): 125

Marker baseline V to V points: 3

Quantification using: Ladder
Final concentration (ng/uL): 0.0200
Dilution factor: 10.0

Sample Baseline V to V?: Y

Sample start region (min): 0

Marker peak width (sec): 8

Lower marker selection: First peak
> 500 RFU

Size threshold (b.p.): 50000

Sample Baseline V to V pts: 3

Sample end region (min): 180

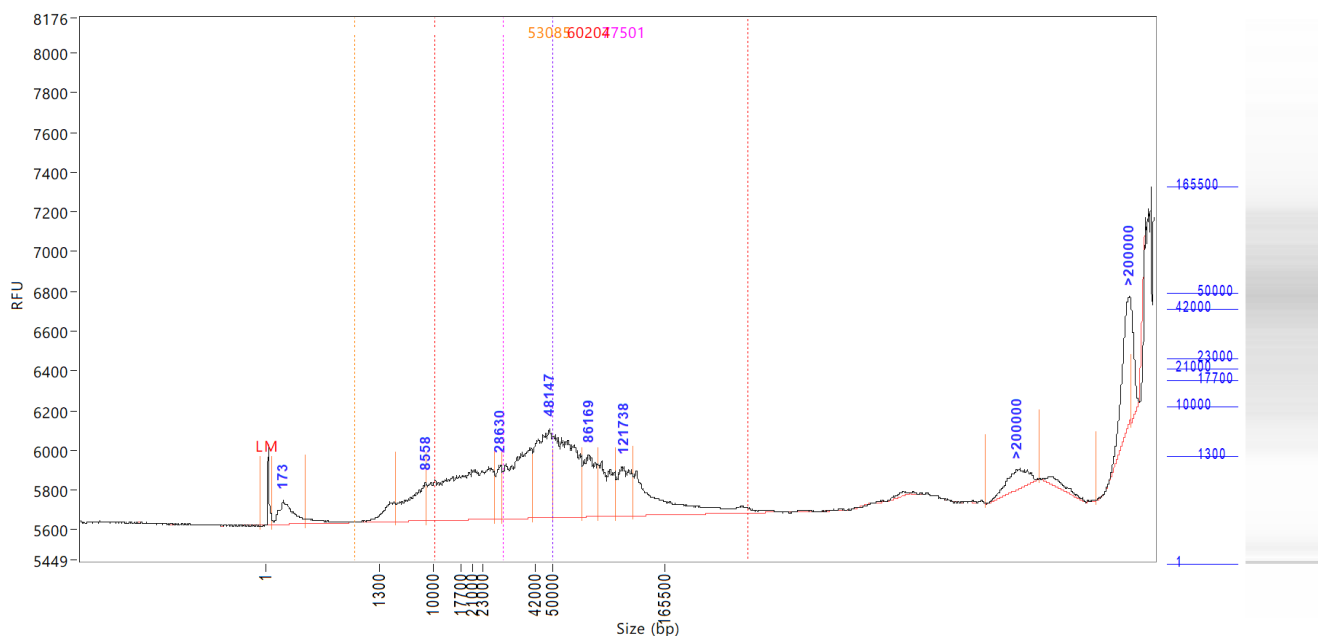
Marker min peak height: 500

Upper marker selection: Last peak
> 500 RFU

Sample: DD_11B.SN_sam_KM
Well location: E5
Created: 3/26/2024 4:30 PM

Table Information

Peak Table										
Peak	Size	Concentration	Relative concentration	Molarity	From	To	Average size	Percent CV	RFU	Corrected peak area
	(bp)	(ng/uL)	Percent	(nmole/L)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0015		0.3476	0	78	7	218.27	2684	22.426
2	11198	0.0151	25.5	0.0035	1089	11416	7195	37.20	230	22.137
3	41156	0.0122	20.6	0.0005	36054	42342	39314	4.57	538	17.868
4	44440	0.0125	21.0	0.0004	42342	49854	46096	4.66	603	18.220
5	57994	0.0058	9.8	0.0002	57095	64888	60911	3.73	570	8.508
6	96560	0.0074	12.4	0.0001	92264	108350	100054	4.62	405	10.767
7	123437	0.0048	8.0	0.0001	120739	133228	126667	2.84	370	6.971
8	>200000	0.0017	2.8	0.0000	>200000	>200000	>200000	2.66	91	2.456
	TIC:	0.0594	ng/uL							
	TIM:	0.0048	nmole/L							
	Total concentration:	0.1375	ng/uL							
Smear Analysis	10000 bp to 250000 bp	0.1192 ng/ul		86.7 %Total	0.0033 nmole/L	60181 Avg. Size (bp)	69.23 %CV			
	30000 bp to 250000 bp	0.0873 ng/ul		63.4 %Total	0.0019 nmole/L	74995 Avg. Size (bp)	52.31 %CV			
	1000 bp to 250000 bp	0.1321 ng/ul		96.0 %Total	0.0040 nmole/L	54937 Avg. Size (bp)	77.65 %CV			

Sample: DD_6C.SN_sam_KM**Well location:** E6**Created:** 3/26/2024 4:30 PM

Sample Peak Width (sec): 50

Sample filter: Binomial

Manual baseline start (min): 27

Marker baseline V to V?: Y

Ladder size (bp) 1, 1300, 10000,
17700, 21000, 23000, 42000,
50000, 165500

Sample Min Peak Height: 50

Number of points for filter: 3

Manual baseline end (min): 125

Marker baseline V to V points: 3

Quantification using: Ladder
Final concentration (ng/uL): 0.0200
Dilution factor: 10.0

Sample Baseline V to V?: Y

Sample start region (min): 0

Marker peak width (sec): 8

Lower marker selection: First peak
> 500 RFU

Size threshold (b.p.): 50000

Sample Baseline V to V pts: 3

Sample end region (min): 180

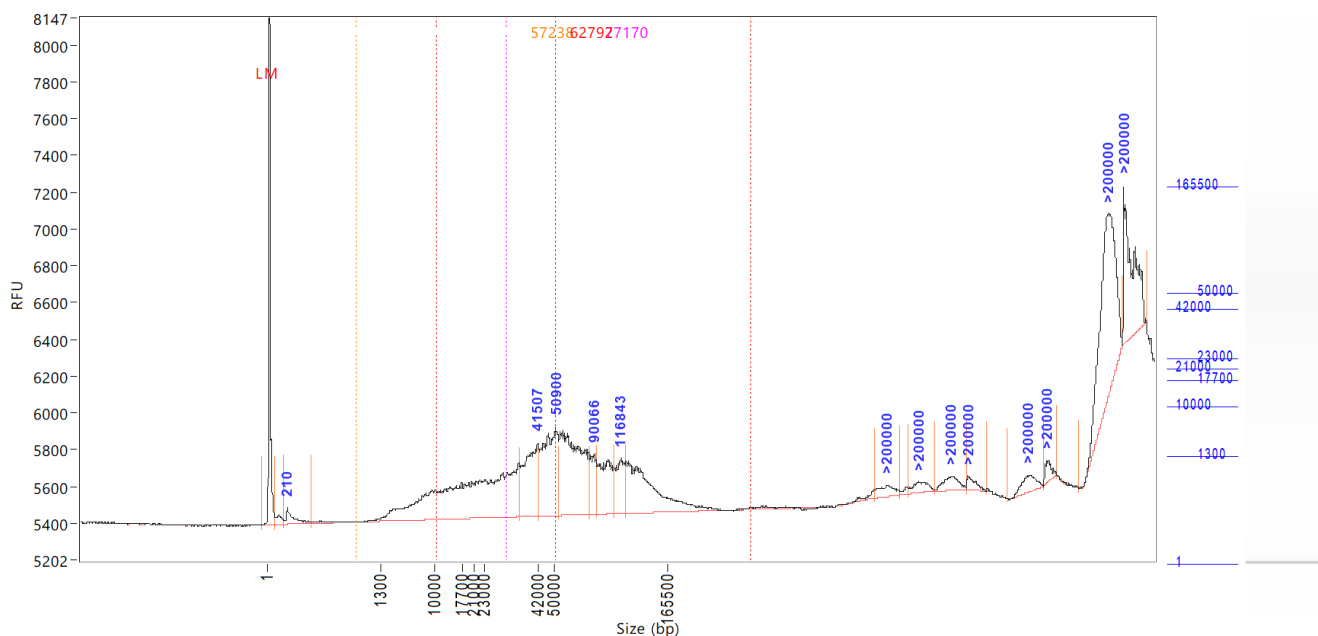
Marker min peak height: 500

Upper marker selection: Last peak
> 500 RFU

Sample: DD_6C.SN_sam_KM
Well location: E6
Created: 3/26/2024 4:30 PM

Table Information

Peak Table										
Peak	Size	Concentration	Relative concentration	Molarity	From	To	Average size	Percent CV	RFU	Corrected peak area
	(bp)	(ng/uL)	Percent	(nmole/L)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0015		0.3055	0	60	8	185.45	404	3.668
2	173	0.0390	13.4	0.2861	60	442	224	39.36	119	9.327
3	8558	0.0501	17.3	0.0124	3752	8927	6651	22.52	194	11.981
4	28630	0.0191	6.6	0.0011	27012	29791	28419	2.78	273	4.563
5	48147	0.0769	26.5	0.0028	40452	50900	45340	6.56	452	18.402
6	86169	0.0368	12.7	0.0007	80175	96760	88266	5.38	313	8.817
7	121738	0.0303	10.5	0.0004	114045	132529	123280	4.26	250	7.250
8	>200000	0.0118	4.1	0.0000	>200000	>200000	>200000	1.96	103	2.820
9	>200000	0.0259	8.9	0.0001	>200000	>200000	>200000	0.72	650	6.203
	TIC:	0.2898	ng/uL							
	TIM:	0.3036	nmole/L							
	Total concentration:	0.7449	ng/uL							
Smear Analysis	10000 bp to 250000 bp	0.5582 ng/ul	74.9 %Total	0.0153 nmole/L	60204 Avg. Size (bp)	76.64 %CV				
	30000 bp to 250000 bp	0.3911 ng/ul	52.5 %Total	0.0083 nmole/L	77501 Avg. Size (bp)	58.09 %CV				
	1000 bp to 250000 bp	0.6426 ng/ul	86.3 %Total	0.0199 nmole/L	53085 Avg. Size (bp)	88.05 %CV				

Sample: DD_11C.SN_sam_KM**Well location:** E7**Created:** 3/26/2024 4:30 PM

Sample Peak Width (sec): 50

Sample filter: Binomial

Manual baseline start (min): 27

Marker baseline V to V?: Y

Ladder size (bp) 1, 1300, 10000,
17700, 21000, 23000, 42000,
50000, 165500

Sample Min Peak Height: 50

Number of points for filter: 3

Manual baseline end (min): 125

Marker baseline V to V points: 3

Quantification using: Ladder
Final concentration (ng/uL): 0.0200
Dilution factor: 10.0

Sample Baseline V to V?: Y

Sample start region (min): 0

Marker peak width (sec): 8

Lower marker selection: First peak
> 500 RFU

Size threshold (b.p.): 50000

Sample Baseline V to V pts: 3

Sample end region (min): 180

Marker min peak height: 500

Upper marker selection: Last peak
> 500 RFU

Sample: DD_11C.SN_sam_KM
Well location: E7
Created: 3/26/2024 4:30 PM

Table Information

Peak Table

Peak	Size	Concentration	Relative concentration	Molarity	From	To	Average size	Percent CV	RFU	Corrected peak area
	(bp)	(ng/uL)	Percent	(nmole/L)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0015		0.3476	0	77	7	212.11	3165	26.429
2	210	0.0020	4.3	0.0117	173	492	280	28.10	88	3.434
3	41507	0.0081	17.6	0.0003	35280	42196	38910	5.09	395	13.906
4	50900	0.0102	22.3	0.0004	42196	54497	47619	6.89	480	17.645
5	90066	0.0024	5.2	0.0000	86069	93063	89481	2.26	327	4.089
6	116843	0.0036	7.8	0.0001	110348	123037	116825	3.11	300	6.146
7	>200000	0.0008	1.8	0.0000	>200000	>200000	>200000	1.78	63	1.423
8	>200000	0.0007	1.6	0.0000	>200000	>200000	>200000	1.53	60	1.237
9	>200000	0.0009	2.0	0.0000	>200000	>200000	>200000	1.54	78	1.612
10	>200000	0.0005	1.1	0.0000	>200000	>200000	>200000	0.95	80	0.831
11	>200000	0.0010	2.1	0.0000	>200000	>200000	>200000	1.26	95	1.673
12	>200000	0.0005	1.1	0.0000	>200000	>200000	>200000	0.52	125	0.860
13	>200000	0.0104	22.7	0.0000	>200000	>200000	>200000	1.16	1010	17.953
14	>200000	0.0048	10.5	0.0000	>200000	0	>200000	0.67	851	8.295
	TIC:	0.0459	ng/uL							
	TIM:	0.0125	nmole/L							
	Total concentration:	0.1074	ng/uL							

Smear Analysis	10000 bp to 250000 bp	0.0754 ng/ul	70.2 %Total	0.0020 nmole/L	62792 Avg. Size (bp)	68.27 %CV
	30000 bp to 250000 bp	0.0565 ng/ul	52.6 %Total	0.0012 nmole/L	77170 Avg. Size (bp)	52.12 %CV
	1000 bp to 250000 bp	0.0837 ng/ul	77.9 %Total	0.0024 nmole/L	57238 Avg. Size (bp)	76.93 %CV

Sample: Ladder
Well location: E12
Created: 3/26/2024 4:30 PM
Fit type: Point to Point

Calibration Curve

