

Instrument controller software run summary:

Filename and data path: C:\Agilent Technologies\Data\2021 07 09\17-30-10\2021 07 09 17H 30M.raw

Created: Friday, July 9, 2021 5:51:27 PM

Number of capillaries: 3

Array serial number: 091520-10SFS

Effect length: 33 cm

Array usage count: 355

Instrument type: 5300 Fragment Analyzer

Instrument controller software version: 3.1.0.12

Device serial number: 3178

Method Information

Method name: DNF-474-33 - HS NGS Fragment 1-6000bp.mthds

Gel prime: No

Full conditioning: Yes

Gel prime to buffer: No

Gel selection: Gel 1

Perform prerun: 6.0 kV, 30 sec.

Rinse: No

Marker 1: No

Rinse: Tray: 3, Row: A, Dip count: 1

Sample injection: 5.0 kV, 30 sec.

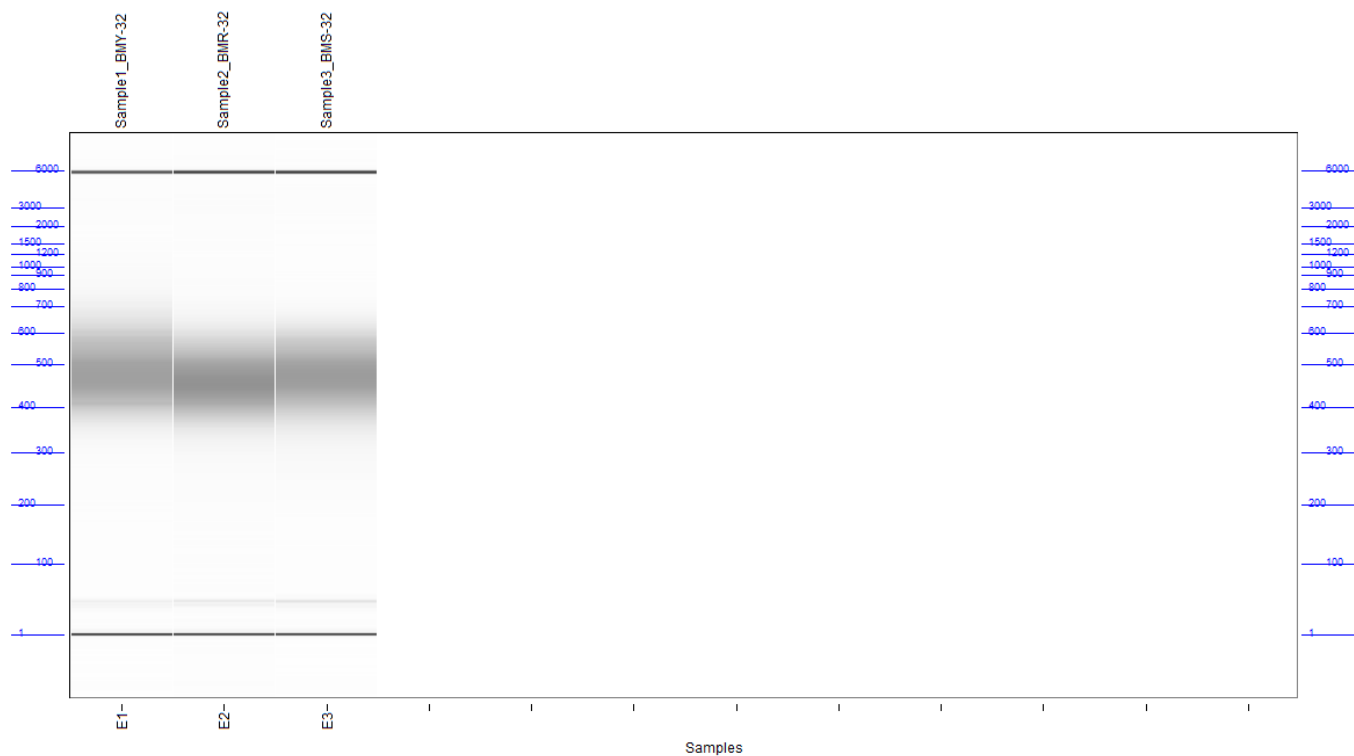
Separation: 6.0 kV, 50.0 min.

Tray name: Tray-1

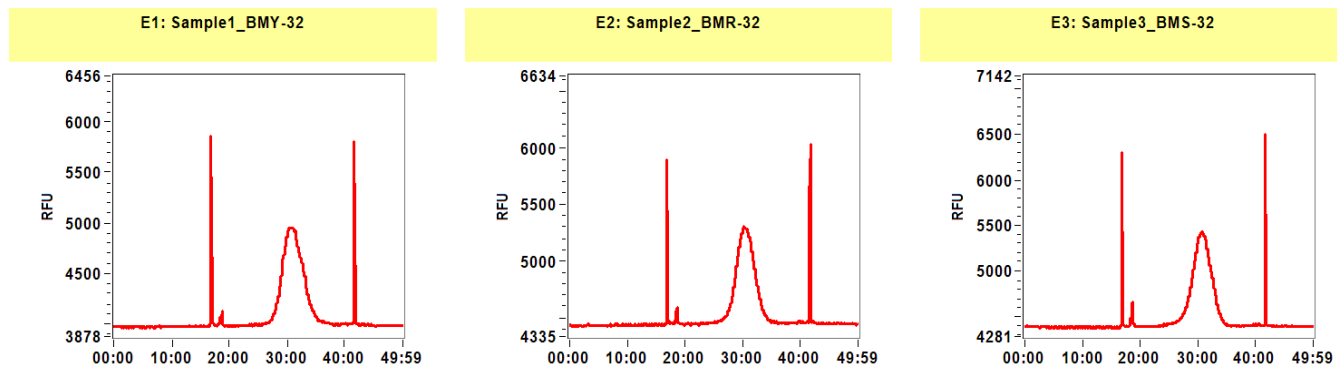
Analysis mode: NGS

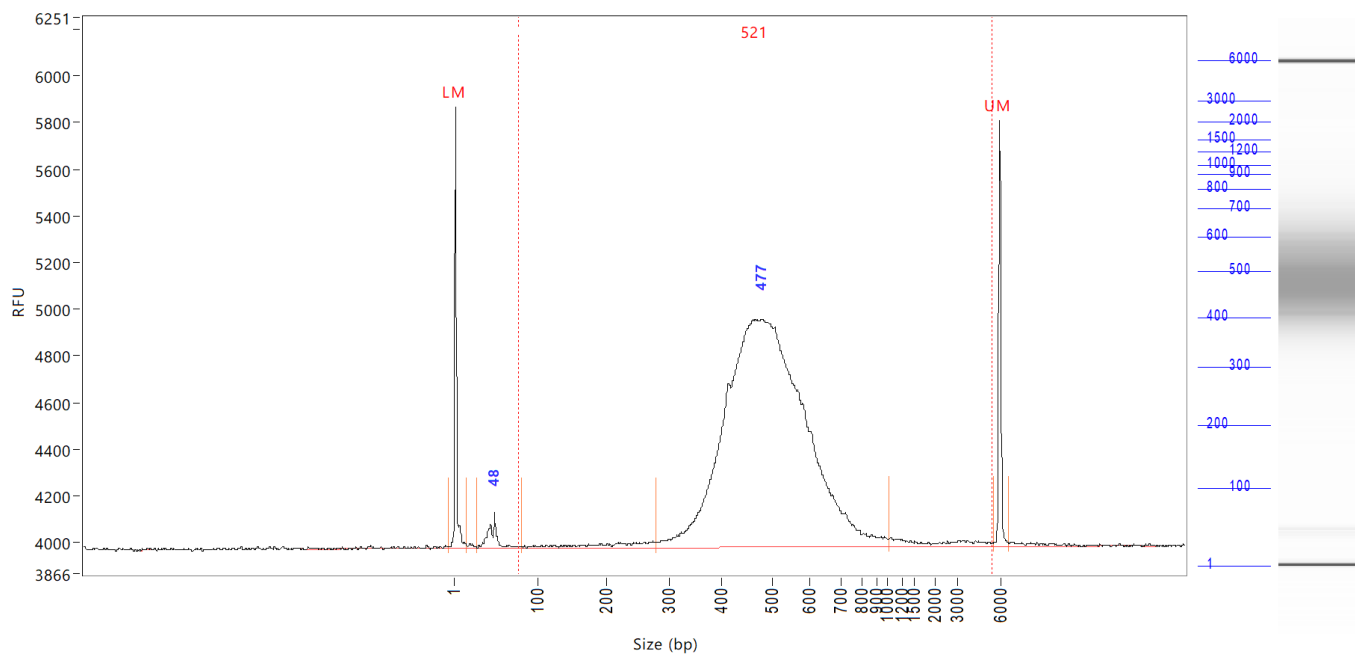
Notes

Gel Image



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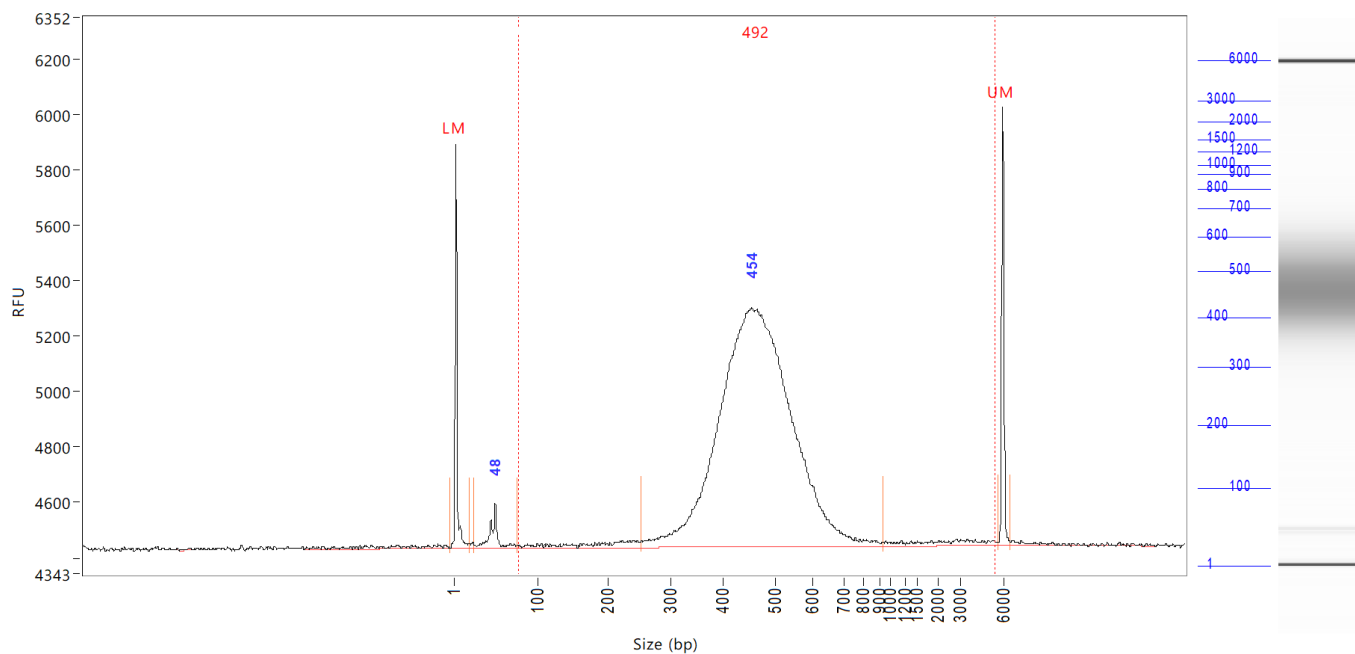
Sample: Sample1_BMY-32**Well location:** E1**Created:** Friday, July 9, 2021 5:51:27 PM

Peak	Size	Concentration	From	To	Average size	CV%	RFU	Corrected peak area
	(bp)	(ng/uL)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0074	0	16	1	192.02	1895	10.796
2	48	0.0269	28	81	46	21.37	153	3.251
3	477	1.1227	280	1011	495	19.20	979	135.876
4	6000 (UM)	0.0038	5557	6674	6000	1.88	1824	5.523

TIC: 1.1496 ng/uL
TIM: 4.6880 nmole/L
Total 1.1990 ng/uL
concentration:

Smear Analysis 75 bp to 5500 bp 1.1702 ng/ul 97.6 %Total 3.6928 nmole/L 521 Avg. Size (bp) 62.05 %CV

Sample peak width (sec): 50 Sample min peak height: 25 Sample baseline V to V?: Y Sample baseline V to V points: 3
Sample filter: Binomial Number of points for filter: 3 Sample start region (min): 0 Sample end region (min): 50
Manual baseline start (min): 10 Manual baseline end (min): 48
Marker peak width (sec): 5 Marker min peak height: 200 Marker baseline V to V?: Y Marker baseline V to V points: 3
Lower marker selection: First peak > 200 RFU Upper marker selection: Last peak > 200 RFU
Ladder size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification using: Ladder Final concentration (ng/uL): 0.0830 Dilution factor: 12.0

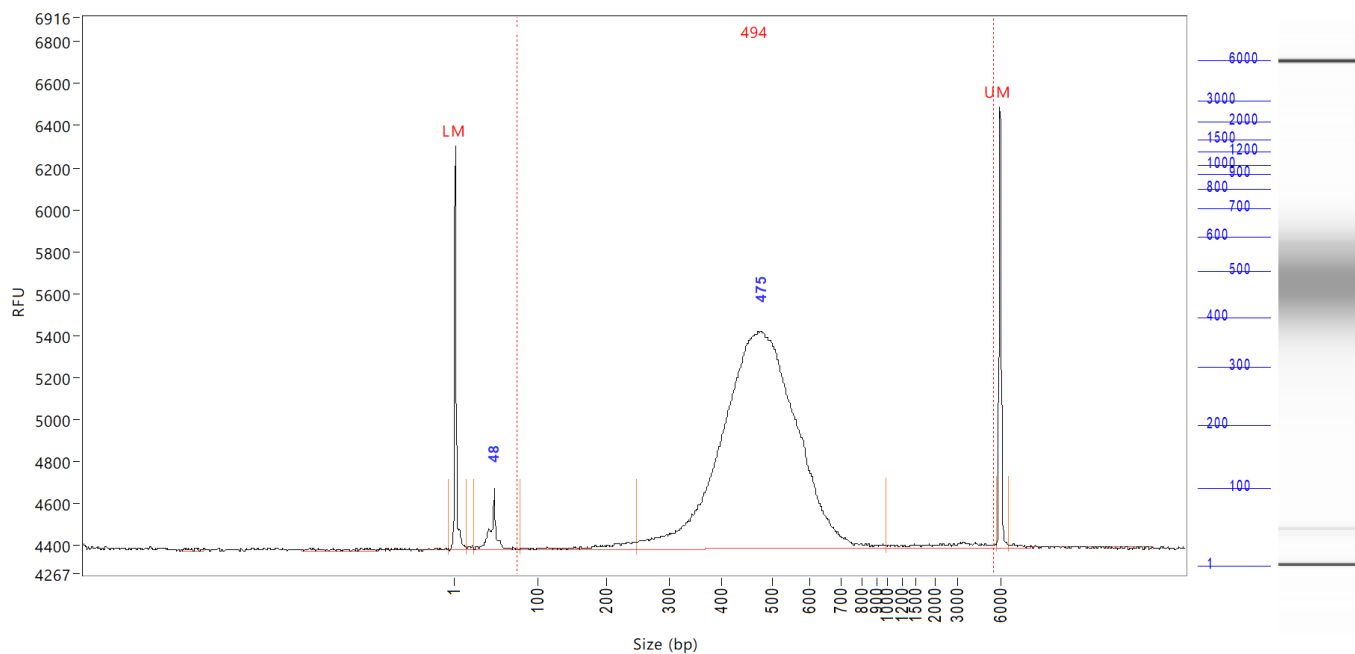
Sample: Sample2_BMR-32**Well location:** E2**Created:** Friday, July 9, 2021 5:51:27 PM

Peak	Size	Concentration	From	To	Average size	CV%	RFU	Corrected peak area
	(bp)	(ng/uL)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0074	0	19	2	179.97	1460	8.563
2	48	0.0315	24	74	46	20.48	164	3.022
3	454	1.1303	253	934	465	17.39	866	108.509
4	6000 (UM)	0.0041	5661	6518	5998	1.57	1586	4.685

TIC: 1.1618 ng/uL
 TIM: 5.1200 nmole/L
 Total concentration: 1.2165 ng/uL

Smear Analysis 75 bp to 5500 bp 1.1825 ng/ul 97.2 %Total 3.9529 nmole/L 492 Avg. Size (bp) 68.38 %CV

Sample peak width (sec): 50 Sample min peak height: 25 Sample baseline V to V?: Y Sample baseline V to V points: 3
 Sample filter: Binomial Number of points for filter: 3 Sample start region (min): 0 Sample end region (min): 50
 Manual baseline start (min): 10 Manual baseline end (min): 48
 Marker peak width (sec): 5 Marker min peak height: 200 Marker baseline V to V?: Y Marker baseline V to V points: 3
 Lower marker selection: First peak > 200 RFU Upper marker selection: Last peak > 200 RFU
 Ladder size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
 Quantification using: Ladder Final concentration (ng/uL): 0.0830 Dilution factor: 12.0

Sample: Sample3_BMS-32**Well location:** E3**Created:** Friday, July 9, 2021 5:51:27 PM

Peak	Size	Concentration	From	To	Average size	CV%	RFU	Corrected peak area
	(bp)	(ng/uL)	(bp)	(bp)	(bp)			
1	1 (LM)	0.0074	0	16	2	162.09	1924	11.027
2	48	0.0361	24	79	46	18.78	291	4.466
3	475	1.0806	248	985	473	17.73	1038	133.583
4	6000 (UM)	0.0041	5739	6648	5998	1.61	2102	6.132

TIC: 1.1167 ng/uL
TIM: 5.0448 nmole/L
Total 1.1566 ng/uL
concentration:

Smear Analysis 75 bp to 5500 bp 1.1185 ng/ul 96.7 %Total 3.7227 nmole/L 494 Avg. Size (bp) 61.07 %CV

Sample peak width (sec): 50 Sample min peak height: 25 Sample baseline V to V?: Y Sample baseline V to V points: 3
Sample filter: Binomial Number of points for filter: 3 Sample start region (min): 0 Sample end region (min): 50
Manual baseline start (min): 10 Manual baseline end (min): 48
Marker peak width (sec): 5 Marker min peak height: 200 Marker baseline V to V?: Y Marker baseline V to V points: 3
Lower marker selection: First peak > 200 RFU Upper marker selection: Last peak > 200 RFU
Ladder size (bp): 1, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 3000, 6000
Quantification using: Ladder Final concentration (ng/uL): 0.0830 Dilution factor: 12.0

Sample: ladder
Well location: H12
Created: Friday, July 9, 2021 5:51:27 PM
Fit type: Point to point

Calibration curve

