admera health

Final QC Report

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Institution/Company	University of Warwick
Project ID	21147-01-09

† contact custom-services with Project ID as reference for any questions

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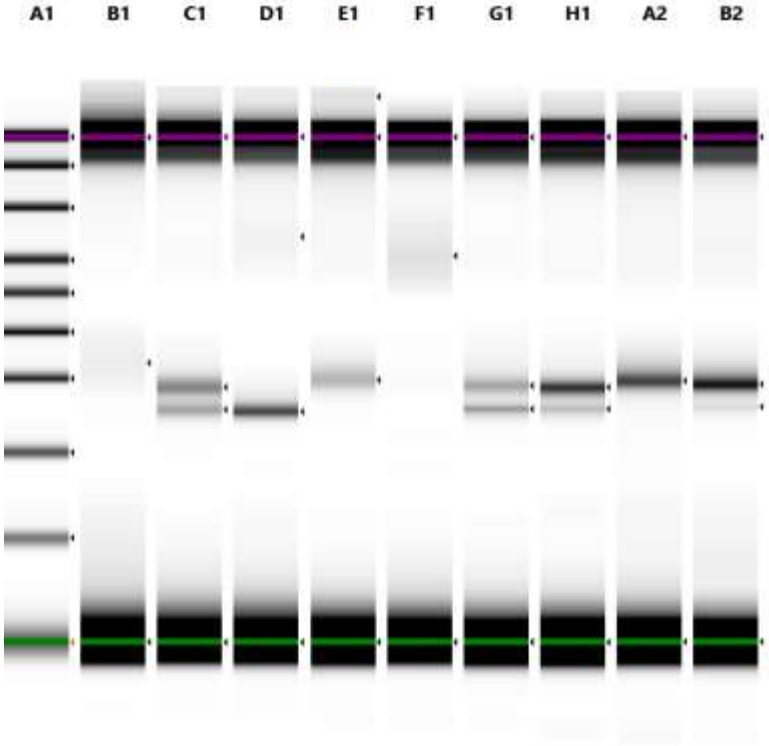
Library ID Table & QC Results

Sample #	Admera Health Library ID	Customer Library ID	Admera Health Concentration Qubit (ng/ul)	Admera Health Concentration qPCR (nM)
1	21147FL-01-01	A3	0.270	0.46
2	21147FL-01-02	A2	0.556	1.69
3	21147FL-01-03	C2	0.576	2.66
4	21147FL-01-04	C5	0.322	0.98
5	21147FL-01-05	178	0.514	2.75
6	21147FL-01-06	123	0.464	1.26
7	21147FL-01-07	194	0.560	1.54
8	21147FL-01-08	197	0.612	1.19
9	21147FL-01-09	Los Viscos V353	0.698	2.85

TapeStation Image: Filename: 21147-01-FLQC-TS-01-09-11182021.cD1000

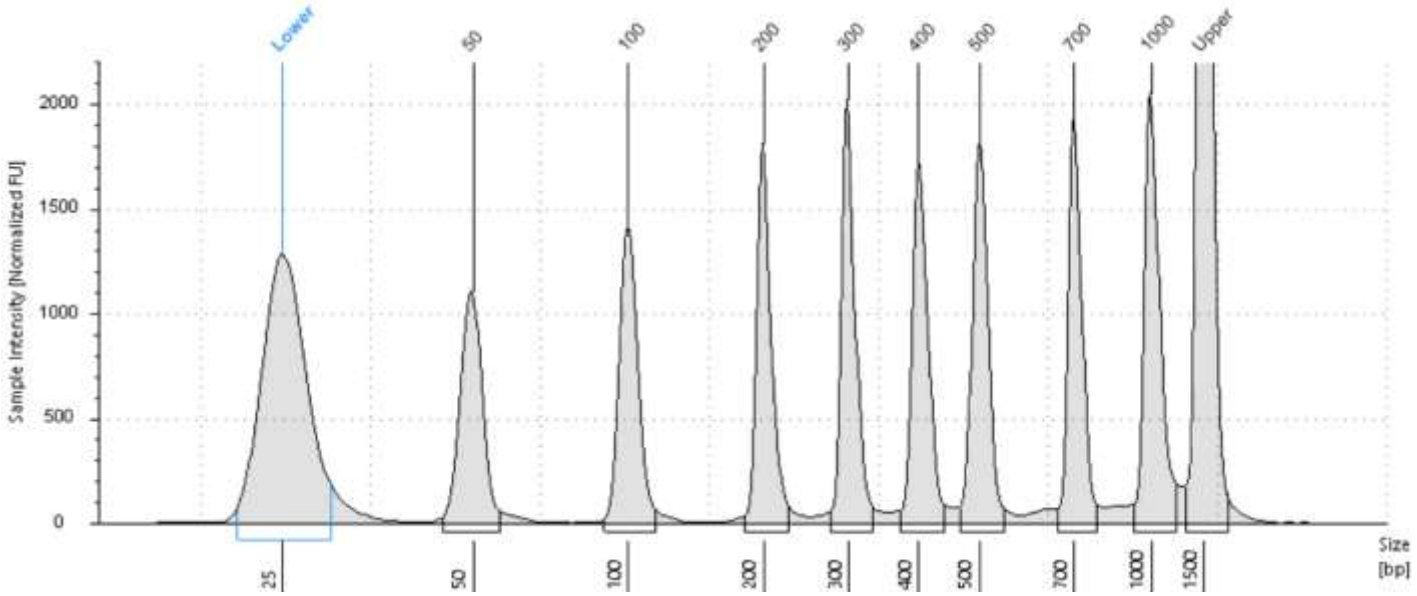


Default image (Contrast 50%), Image is Scaled to Sample

Sample Info

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
A1	20.3	Electronic Ladder		Ladder
B1	0.0161	21147FL-01-01		
C1	0.498	21147FL-01-02		
D1	0.362	21147FL-01-03		
E1	0.251	21147FL-01-04		
F1	0.0310	21147FL-01-05		
G1	0.316	21147FL-01-06		
H1	0.435	21147FL-01-07		
A2	0.420	21147FL-01-08		
B2	0.558	21147FL-01-09		

A1: Electronic Ladder



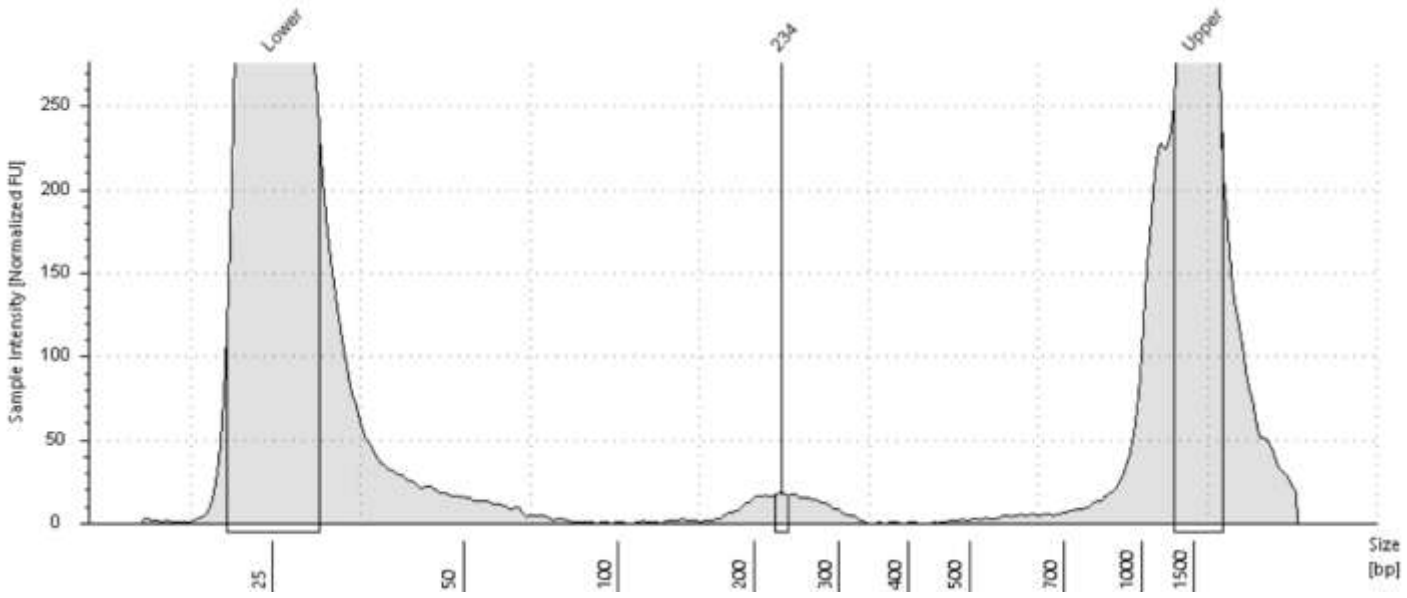
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
A1	20.3	Electronic Ladder		Ladder

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.22	-	321	-		Lower Marker
50	2.25	-	69.3	11.11		
100	2.37	-	36.5	11.71		
200	2.47	-	19.0	12.20		
300	2.55	-	13.1	12.56		
400	2.57	-	9.87	12.66		
500	2.71	-	8.33	13.36		
700	2.46	-	5.41	12.15		
1000	2.89	-	4.44	14.25		
1500	6.50	6.50	6.67	-		Upper Marker

B1: 21147FL-01-01



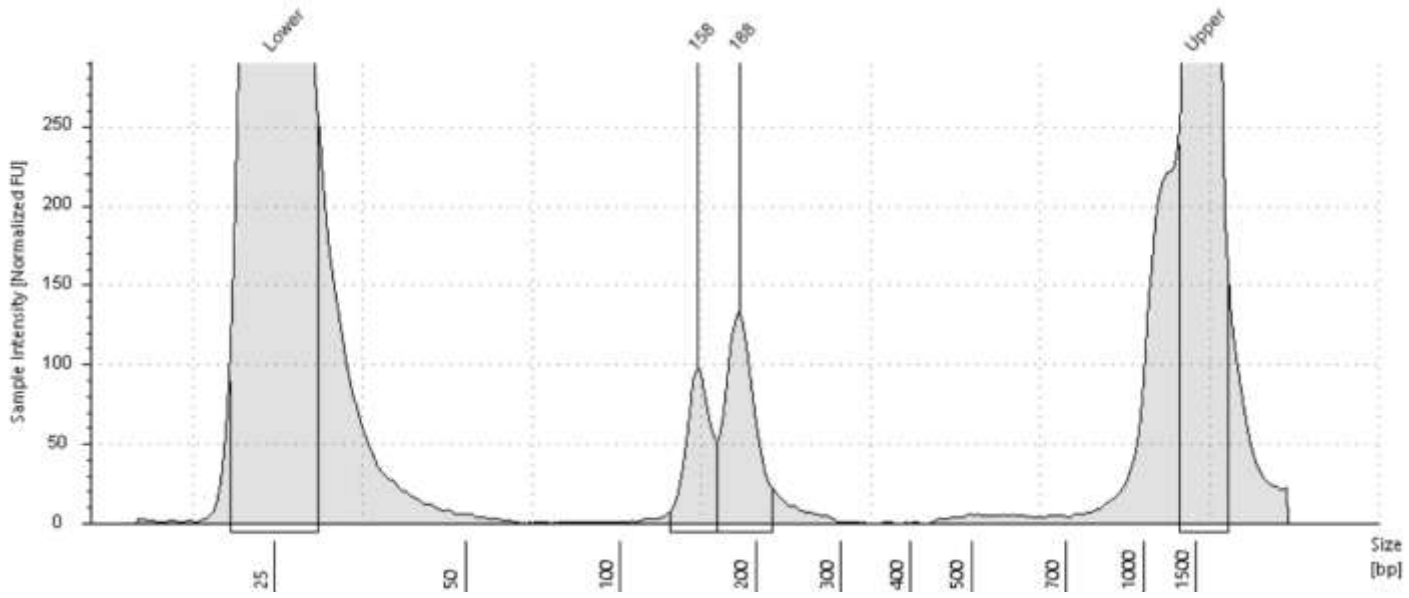
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
B1	0.0161	21147FL-01-01		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	6.05	-	372	-		Lower Marker
234	0.0161	-	0.106	100.00		
1500	6.50	6.50	6.67	-		Upper Marker

C1: 21147FL-01-02



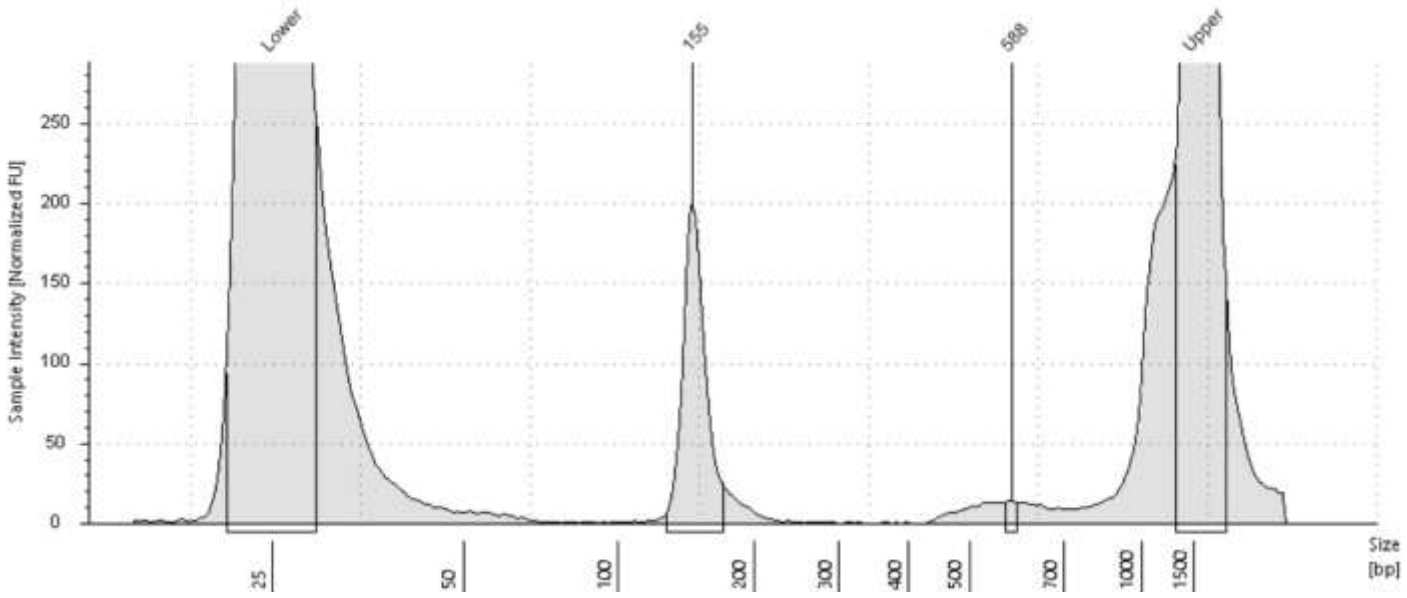
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
C1	0.498	21147FL-01-02		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.98	-	368	-		Lower Marker
158	0.186	-	1.82	37.43		
188	0.312	-	2.55	62.57		
1500	6.50	6.50	6.67	-		Upper Marker

D1: 21147FL-01-03



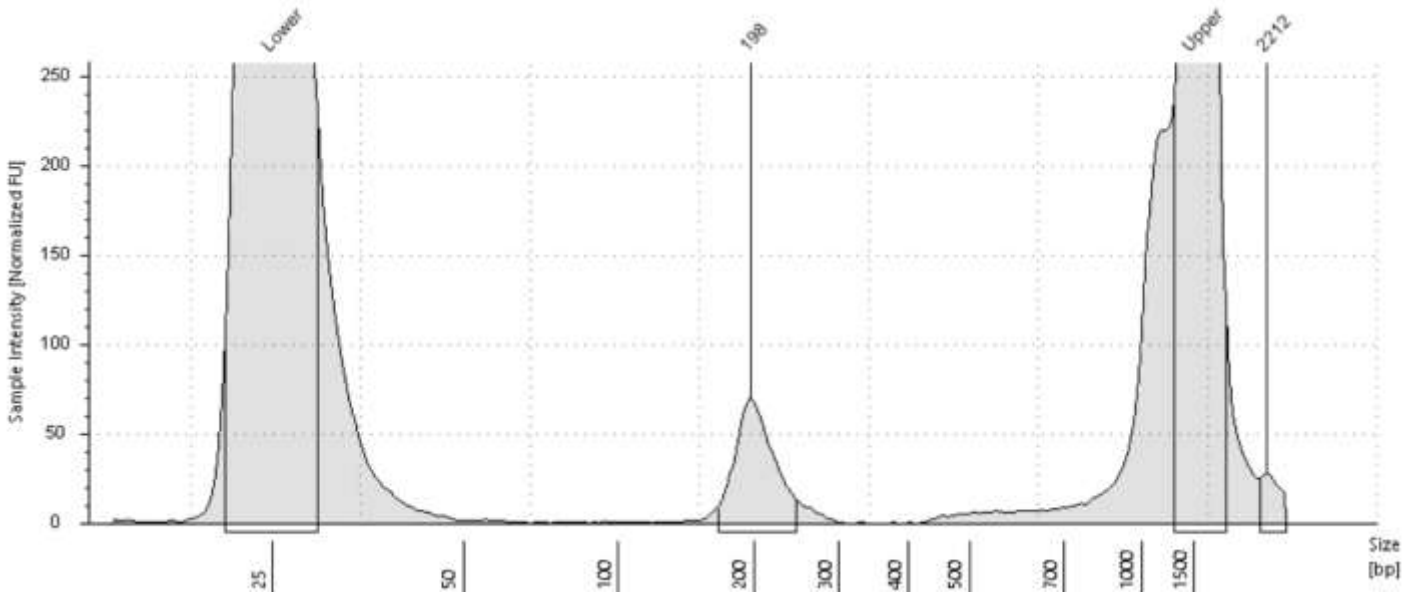
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
D1	0.362	21147FL-01-03		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.81	-	358	-		Lower Marker
155	0.350	-	3.47	96.63		
588	0.0122	-	0.0319	3.37		
1500	6.50	6.50	6.67	-		Upper Marker

E1: 21147FL-01-04



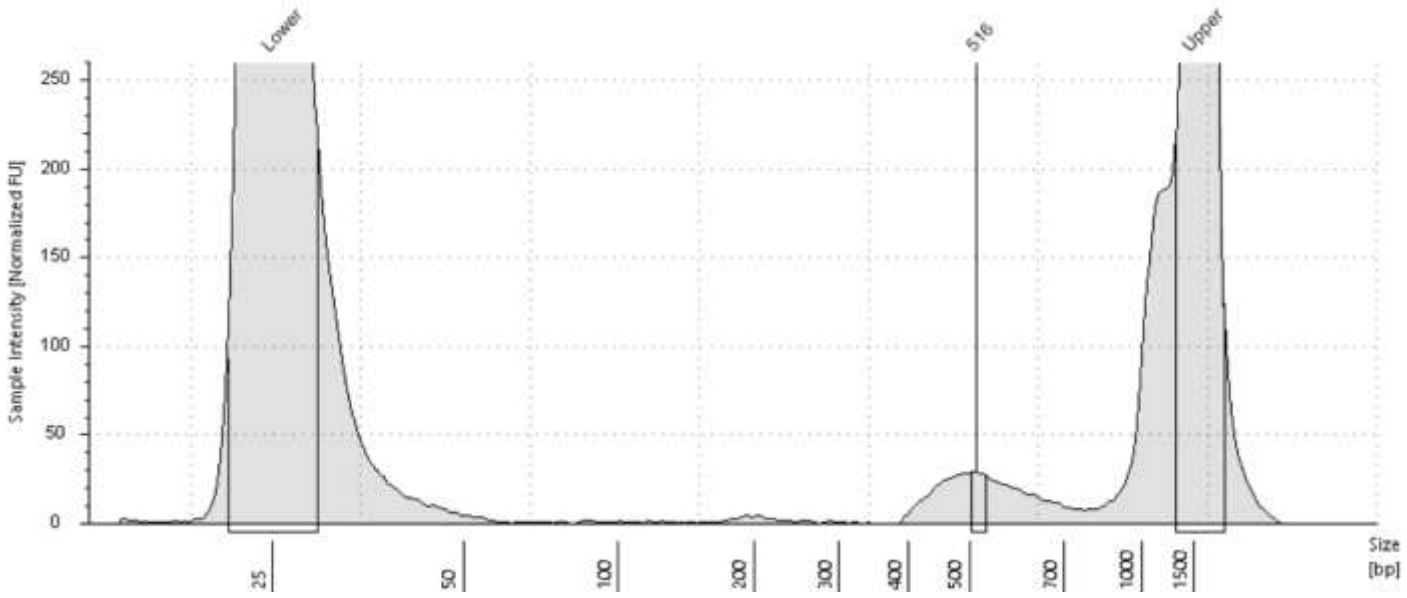
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
E1	0.251	21147FL-01-04		Peak out of Sizing Range

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	6.01	-	370	-		Lower Marker
198	0.208	-	1.61	82.81		
1500	6.50	6.50	6.67	-		Upper Marker
2212	0.0431	-	0.0300	17.19		

F1: 21147FL-01-05



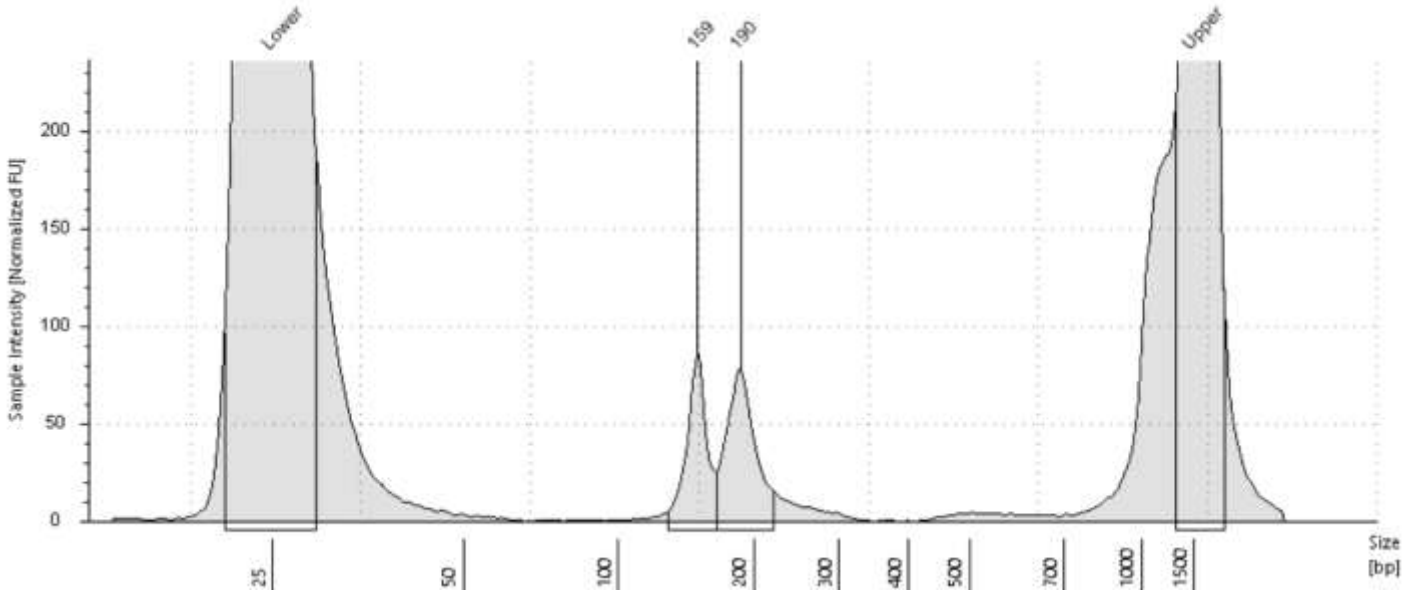
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
F1	0.0310	21147FL-01-05		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.69	-	350	-		Lower Marker
516	0.0310	-	0.0923	100.00		
1500	6.50	6.50	6.67	-		Upper Marker

G1: 21147FL-01-06



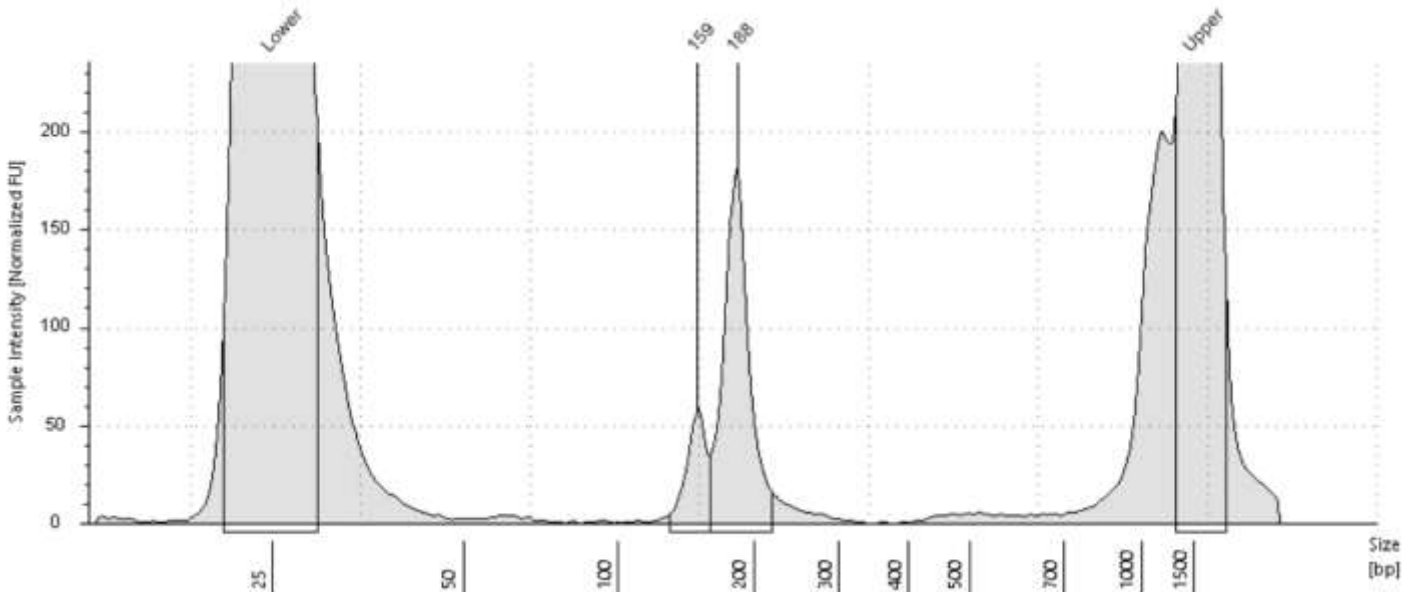
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
G1	0.316	21147FL-01-06		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.81	-	358	-		Lower Marker
159	0.134	-	1.30	42.43		
190	0.182	-	1.47	57.57		
1500	6.50	6.50	6.67	-		Upper Marker

H1: 21147FL-01-07



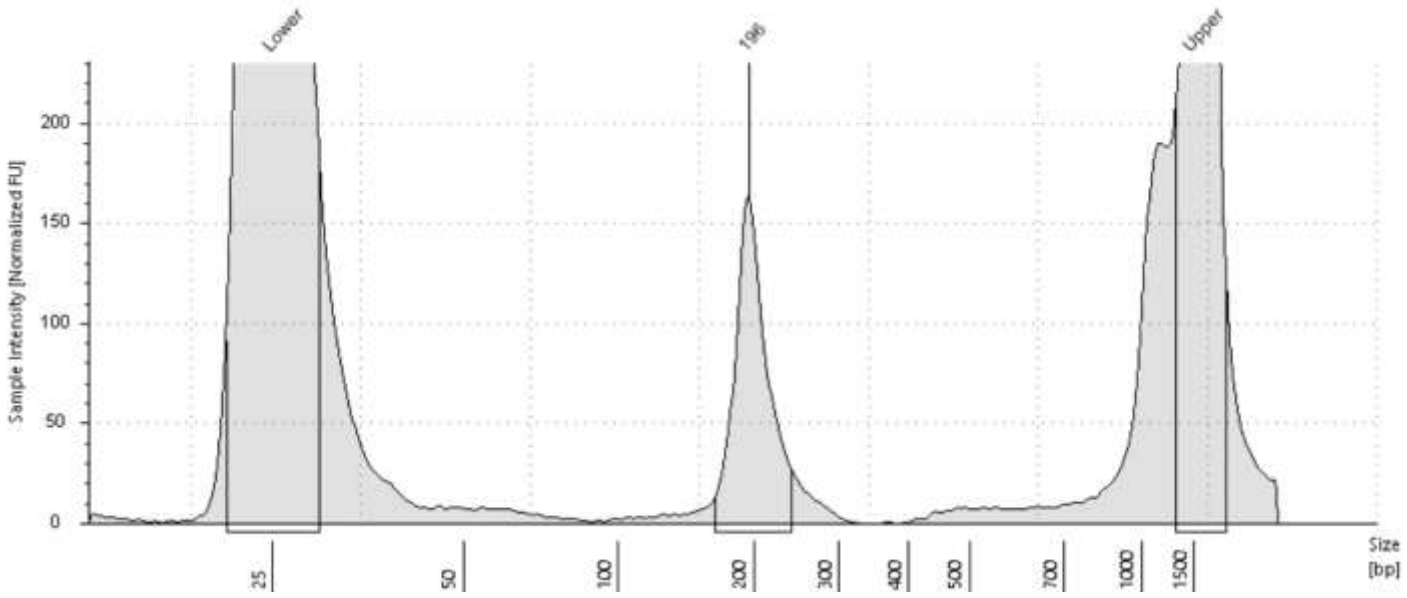
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
H1	0.435	21147FL-01-07		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.79	-	357	-		Lower Marker
159	0.0858	-	0.831	19.72		
188	0.349	-	2.86	80.28		
1500	6.50	6.50	6.67	-		Upper Marker

A2: 21147FL-01-08



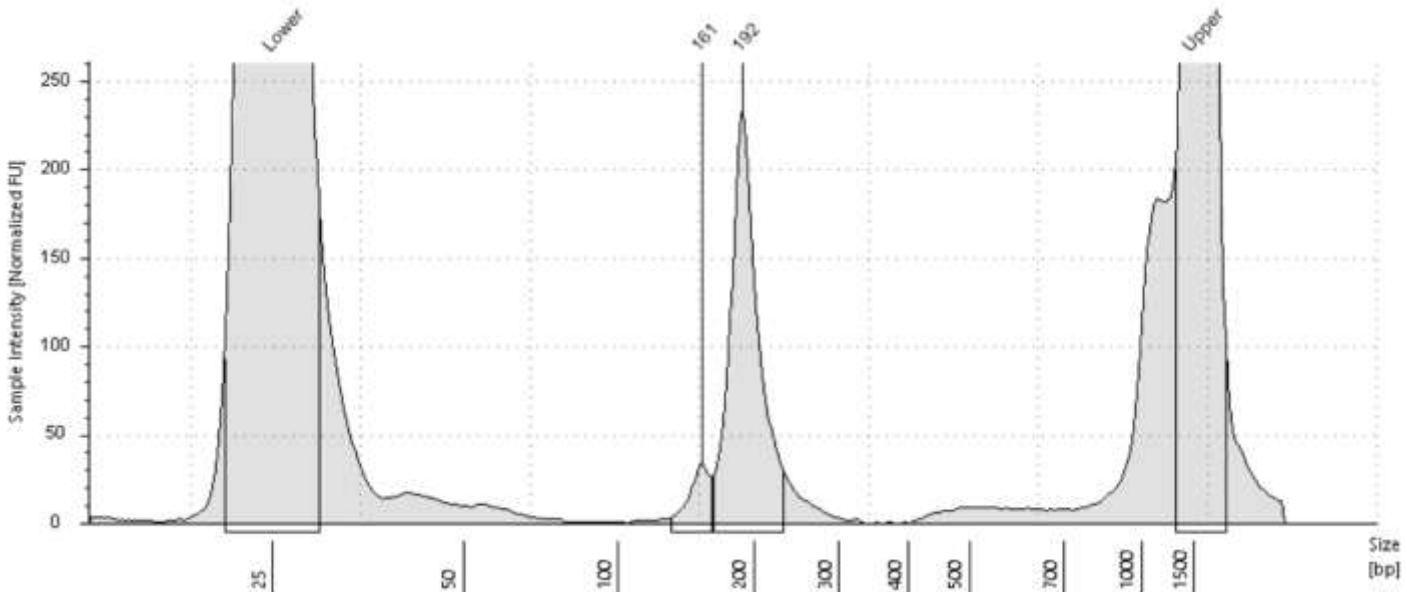
Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
A2	0.420	21147FL-01-08		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.72	-	352	-		Lower Marker
196	0.420	-	3.29	100.00		
1500	6.50	6.50	6.67	-		Upper Marker

B2: 21147FL-01-09



Sample Table

Well	Conc. [ng/µl]	Sample Description	Alert	Observations
B2	0.558	21147FL-01-09		

Peak Table

Size [bp]	Calibrated Conc. [ng/µl]	Assigned Conc. [ng/µl]	Peak Molarity [nmol/l]	% Integrated Area	Peak Comment	Observations
25	5.87	-	361	-		Lower Marker
161	0.0508	-	0.484	9.10		
192	0.507	-	4.07	90.90		
1500	6.50	6.50	6.67	-		Upper Marker

QC Process & Guidelines

QC Process

Admera Health qualifies samples based on the processes below:

DNA Quantity:

Qubit 2.0 DNA HS Assay (Life Technologies, Grand Island, NY)

DNA Quality

1% Standard agarose gel and/or Tapestation genomic DNA Assay (Agilent Technologies, CA, USA)

RNA Quantity:

Qubit RNA HS assay (ThermoFisher).

RNA Quality:

Bioanalyzer 2100 Eukaryote Total RNA Nano (Agilent Technologies, CA, USA)

Library Concentration & Quality:

Qubit 2.0 DNA HS Assay (ThermoFisher), QuantStudio ® 5 System (Applied Biosystems, USA)

Tapestation High Sensitivity D1000 Assay (Agilent Technologies, CA, USA)

Library QC Guidelines

Service	Quantity Required*	Volume	Sample Type
16s_rRNA_Sequencing	≥50 ng	≥ 10 ul	gDNA
10x_Genomics	request for information	request for information	request for information
ATAC-seq	request for information	request for information	request for information
ChIPseq	50ng (ChIPed); 1 ug (Input)	≥ 20 ul	gDNA
ddRADseq	1 ug	≥ 20 ul	gDNA
HLA	1 ug	≥ 20 ul	gDNA
ITS1 ITS 2	≥50 ng	≥ 10 ul	gDNA
LiquidGx	request for information	request for information	request for information
Metagenomics	100ng	≥ 20 ul	gDNA
Pacbio	10ug	≥ 20 ul	High quality gDNA
RNAseq	1 ug	≥ 20 ul	RNA
Sequencing Only - Hiseq	4nM	≥ 10 ul	Library
Sequencing Only - Novaseq	3nM	≥ 30 ul	Library
Sequencing Only - Miseq	4nM	≥ 10 ul	Library
Sequencing Only - Nextseq	4nM	≥ 10 ul	Library
Sequencing Only - Custom Primers	0.3 uM	R1: 5ml; Ind: 4ml; R2: 2ml	
smRNAseq	1 ug	≥ 20 ul	RNA
qPCR	request for information	request for information	request for information
WES	1 ug	≥ 20 ul	gDNA
WGBS	1 ug	≥ 20 ul	gDNA
WGS	500ng-1ug	≥ 20 ul	gDNA
Amplicon_based	500 ng	≥ 10 ul	gDNA

*if cannot reach, please contact custom-services@admerehealth.com with your Project ID as reference