

Azenta NGS Laboratory Sample QC Form

Name: John Santiago

Institute: Brown University

Quotation Number: 30-927564627

Sample ID	AZENTA ID	Sample Type	Sample Vol.(ul)	Nanodrop 2000				DNA Qubit		RNA Qubit		TapeStation			QC Note
				Actual Nucleic Acid Conc. (ng/ul)	Total Amount (ng)	A260/A280	A260/A230	Actual Nucleic Acid Conc. (ng/ul)	Total Amount (ng)	Actual Nucleic Acid Conc. (ng/ul)	Total Amount (ng)	Average Size for DNA	RIN for RNA	DV 200 (for RNA)	
S3MH1	SFJ17338	Fresh Frozen Tissue	38	51.70	1964.60	1.99	1.80	NA	NA	46.80	1778.40	NA	1.2	70.13	2
S3MH2	SFJ17339	Fresh Frozen Tissue	38	29.90	1136.20	1.83	1.49	NA	NA	26.80	1018.40	NA	1.5	67.81	2,3
S3MH3	SFJ17340	Fresh Frozen Tissue	38	5.90	224.20	1.28	0.65	NA	NA	Too low	Too low	NA	NA	31.44	1,3
S3MT1	SFJ17341	Fresh Frozen Tissue	38	98.10	3727.80	2.14	1.48	NA	NA	93.00	3534.00	NA	3.6	90.40	2
S3MT2	SFJ17342	Fresh Frozen Tissue	38	75.40	2865.20	2.04	1.72	NA	NA	79.60	3024.80	NA	3.0	83.90	2
S3MT3	SFJ17343	Fresh Frozen Tissue	38	148.00	5624.00	2.18	2.21	NA	NA	114.00	4332.00	NA	6.0	91.70	
S3MA1	SFJ17344	Fresh Frozen Tissue	38	271.10	10301.80	2.26	2.25	NA	NA	192.60	7318.80	NA	7.4	94.50	
S3MA2	SFJ17345	Fresh Frozen Tissue	38	631.80	24008.40	2.33	2.87	NA	NA	379.20	14409.60	NA	6.6	92.10	
S3MA3	SFJ17346	Fresh Frozen Tissue	38	192.40	7311.20	2.24	2.18	NA	NA	149.20	5669.60	NA	7.3	94.20	
S9MH1	SFJ17347	Fresh Frozen Tissue	38	62.20	2363.60	2.02	1.39	NA	NA	62.60	2378.80	NA	3.4	88.60	2
S9MH2	SFJ17348	Fresh Frozen Tissue	38	90.70	3446.60	2.04	0.86	NA	NA	95.40	3625.20	NA	3.6	87.90	2
S9MH3	SFJ17349	Fresh Frozen Tissue	38	30.30	1151.40	2.21	0.81	NA	NA	37.00	1406.00	NA	6.1	93.40	
S9MT1	SFJ17350	Fresh Frozen Tissue	38	61.40	2333.20	2.03	1.92	NA	NA	67.80	2576.40	NA	5.8	91.10	2
S9MT2	SFJ17351	Fresh Frozen Tissue	38	56.30	2139.40	2.17	2.49	NA	NA	63.40	2409.20	NA	7.1	91.40	
S9MT3	SFJ17352	Fresh Frozen Tissue	38	60.00	2280.00	2.01	2.02	NA	NA	67.00	2546.00	NA	6.9	93.30	
S9MA1	SFJ17353	Fresh Frozen	38	221.20	8405.60	2.24	2.26	NA	NA	157.20	5973.60	NA	7.5	95.30	

		Tissue													
S9MA2	SFJ17354	Fresh Frozen Tissue	38	227.50	8645.00	2.25	2.23	NA	NA	137.40	5221.20	NA	6.2	91.10	
S9MA3	SFJ17355	Fresh Frozen Tissue	38	192.40	7311.20	2.19	2.24	NA	NA	142.40	5411.20	NA	7.5	95.20	
S3FH1	SFJ17356	Fresh Frozen Tissue	38	77.30	2937.40	2.03	1.88	NA	NA	58.40	2219.20	NA	6.5	92.60	
S3FH2	SFJ17357	Fresh Frozen Tissue	38	50.00	1900.00	2.14	2.06	NA	NA	46.40	1763.20	NA	2.3	83.80	2
S3FH3	SFJ17358	Fresh Frozen Tissue	38	71.40	2713.20	1.99	1.83	NA	NA	63.00	2394.00	NA	4.1	87.70	2
S3FT1	SFJ17359	Fresh Frozen Tissue	38	178.80	6794.40	2.21	2.26	NA	NA	132.40	5031.20	NA	5.4	92.80	2
S3FT2	SFJ17360	Fresh Frozen Tissue	38	157.60	5988.80	2.17	2.13	NA	NA	117.20	4453.60	NA	7.0	93.90	
S3FT3	SFJ17361	Fresh Frozen Tissue	38	176.20	6695.60	2.18	2.12	NA	NA	119.60	4544.80	NA	7.2	95.20	
S3FA1	SFJ17362	Fresh Frozen Tissue	38	1423.00	54074.00	2.34	2.37	NA	NA	1216.80	46238.40	NA	7.7	93.10	
S3FA2	SFJ17363	Fresh Frozen Tissue	38	1211.00	46018.00	2.33	2.35	NA	NA	1050.00	39900.00	NA	7.1	90.40	
S3FA3	SFJ17364	Fresh Frozen Tissue	38	1434.00	54492.00	2.32	2.33	NA	NA	1000.80	38030.40	NA	7.1	92.00	
S9FH1	SFJ17365	Fresh Frozen Tissue	38	60.20	2287.60	1.98	1.83	NA	NA	54.60	2074.80	NA	6.8	92.90	
S9FH2	SFJ17366	Fresh Frozen Tissue	38	77.20	2933.60	2.03	2.12	NA	NA	72.00	2736.00	NA	5.4	92.40	2
S9FH3	SFJ17367	Fresh Frozen Tissue	38	71.70	2724.60	2.00	1.56	NA	NA	61.40	2333.20	NA	4.7	89.60	2
S9FT1	SFJ17368	Fresh Frozen Tissue	38	172.00	6536.00	2.17	2.18	NA	NA	141.20	5365.60	NA	3.3	89.60	2
S9FT2	SFJ17369	Fresh Frozen Tissue	38	119.00	4522.00	2.13	2.10	NA	NA	70.00	2660.00	NA	7.0	94.40	
S9FT3	SFJ17370	Fresh Frozen Tissue	38	163.20	6201.60	2.19	2.10	NA	NA	120.40	4575.20	NA	7.1	90.00	
S9FA1	SFJ17371	Fresh Frozen Tissue	38	772.70	29362.60	2.20	1.94	NA	NA	434.00	16492.00	NA	7.6	89.20	
S9FA2	SFJ17372	Fresh Frozen Tissue	38	680.40	25855.20	2.14	1.47	NA	NA	392.40	14911.20	NA	7.4	87.30	
S9FA3	SFJ17373	Fresh Frozen Tissue	38	889.10	33785.80	2.11	1.38	NA	NA	411.40	15633.20	NA	7.3	87.00	
S40FH1	SFJ17374	Fresh Frozen Tissue	38	43.40	1649.20	1.90	1.71	NA	NA	35.40	1345.20	NA	7.0	91.60	
S40FH2	SFJ17375	Fresh Frozen Tissue	38	25.60	972.80	1.84	1.32	NA	NA	22.60	858.80	NA	9.5	82.31	
S40FH3	SFJ17376	Fresh Frozen Tissue	38	37.20	1413.60	1.96	1.70	NA	NA	34.60	1314.80	NA	7.1	93.20	
S40FT1	SFJ17377	Fresh Frozen Tissue	38	80.90	3074.20	2.07	1.86	NA	NA	69.20	2629.60	NA	4.0	90.20	2
S40FT2	SFJ17378	Fresh Frozen	38	111.20	4225.60	2.12	1.82	NA	NA	86.00	3268.00	NA	3.9	90.50	2

		Tissue													
S40FT3	SFJ17379	Fresh Frozen Tissue	38	93.70	3560.60	2.10	1.87	NA	NA	77.60	2948.80	NA	7.4	94.90	
S40FA1	SFJ17380	Fresh Frozen Tissue	38	916.20	34815.60	2.24	2.45	NA	NA	426.80	16218.40	NA	7.3	91.30	
S40FA2	SFJ17381	Fresh Frozen Tissue	38	703.90	26748.20	2.12	2.35	NA	NA	370.80	14090.40	NA	7.4	93.00	
S40FA3	SFJ17382	Fresh Frozen Tissue	38	831.70	31604.60	2.20	2.29	NA	NA	368.00	13984.00	NA	7.3	92.20	
A3MH1	SFJ17383	Fresh Frozen Tissue	38	28.80	1094.40	2.00	0.59	NA	NA	29.40	1117.20	NA	6.7	92.30	
A3MH2	SFJ17384	Fresh Frozen Tissue	38	34.90	1326.20	1.98	0.46	NA	NA	36.80	1398.40	NA	7.0	94.00	
A3MH3	SFJ17385	Fresh Frozen Tissue	38	18.60	706.80	1.75	0.20	NA	NA	13.70	520.60	NA	NA	73.16	
A3MT1	SFJ17386	Fresh Frozen Tissue	38	392.20	14903.60	2.32	2.51	NA	NA	326.00	12388.00	NA	4.8	90.90	2
A3MT2	SFJ17387	Fresh Frozen Tissue	38	315.40	11985.20	2.28	2.35	NA	NA	234.40	8907.20	NA	3.1	90.70	2
A3MT3	SFJ17388	Fresh Frozen Tissue	38	339.80	12912.40	2.28	2.45	NA	NA	303.20	11521.60	NA	3.5	91.20	2
A3MA1	SFJ17389	Fresh Frozen Tissue	38	241.60	9180.80	2.21	2.28	NA	NA	188.40	7159.20	NA	7.7	93.70	
A3MA2	SFJ17390	Fresh Frozen Tissue	38	165.80	6300.40	2.13	2.21	NA	NA	147.60	5608.80	NA	7.7	94.70	
A3MA3	SFJ17391	Fresh Frozen Tissue	38	179.30	6813.40	2.18	2.08	NA	NA	121.60	4620.80	NA	7.5	94.30	
A9MH1	SFJ17392	Fresh Frozen Tissue	38	44.90	1706.20	1.92	1.68	NA	NA	35.20	1337.60	NA	7.2	94.40	
A9MH2	SFJ17393	Fresh Frozen Tissue	38	44.10	1675.80	1.97	1.69	NA	NA	36.60	1390.80	NA	5.3	86.20	2
A9MH3	SFJ17394	Fresh Frozen Tissue	38	72.70	2762.60	2.06	1.68	NA	NA	62.40	2371.20	NA	5.3	89.30	2
A9MT1	SFJ17395	Fresh Frozen Tissue	38	122.80	4666.40	2.11	1.48	NA	NA	102.00	3876.00	NA	4.6	92.50	2
A9MT2	SFJ17396	Fresh Frozen Tissue	38	154.10	5855.80	2.14	2.22	NA	NA	140.80	5350.40	NA	4.2	92.20	2
A9MT3	SFJ17397	Fresh Frozen Tissue	38	165.50	6289.00	2.13	1.58	NA	NA	140.00	5320.00	NA	2.9	90.40	2
A9MA1	SFJ17398	Fresh Frozen Tissue	38	194.00	7372.00	2.18	2.17	NA	NA	154.80	5882.40	NA	4.6	86.50	2
A9MA2	SFJ17399	Fresh Frozen Tissue	38	228.00	8664.00	2.23	2.34	NA	NA	207.60	7888.80	NA	6.9	90.40	
A9MA3	SFJ17400	Fresh Frozen Tissue	38	277.40	10541.20	2.27	2.37	NA	NA	250.20	9507.60	NA	7.3	95.20	
A3FH1	SFJ17401	Fresh Frozen Tissue	38	80.60	3062.80	2.07	1.95	NA	NA	66.80	2538.40	NA	7.5	93.50	
A3FH2	SFJ17402	Fresh Frozen Tissue	38	67.50	2565.00	2.05	1.71	NA	NA	56.20	2135.60	NA	6.5	90.90	
A3FH3	SFJ17403	Fresh Frozen	38	65.20	2477.60	1.98	1.61	NA	NA	55.40	2105.20	NA	7.2	93.50	

		Tissue													
A3FT1	SFJ17404	Fresh Frozen Tissue	38	194.90	7406.20	2.21	2.20	NA	NA	169.60	6444.80	NA	7.3	95.00	
A3FT2	SFJ17405	Fresh Frozen Tissue	38	240.40	9135.20	2.24	2.33	NA	NA	213.60	8116.80	NA	5.6	93.20	2
A3FT3	SFJ17406	Fresh Frozen Tissue	25	166.20	4155.00	2.15	1.98	NA	NA	156.80	3920.00	NA	4.2	90.50	2
A3FA1	SFJ17407	Fresh Frozen Tissue	25	684.40	17110.00	2.16	1.95	NA	NA	556.20	13905.00	NA	4.4	88.90	2
A3FA2	SFJ17408	Fresh Frozen Tissue	25	428.40	10710.00	2.26	1.37	NA	NA	344.00	8600.00	NA	4.8	85.70	2
A3FA3	SFJ17409	Fresh Frozen Tissue	25	281.20	7030.00	2.27	1.04	NA	NA	259.20	6480.00	NA	5.9	85.20	2
A9FH1	SFJ17410	Fresh Frozen Tissue	38	101.10	3841.80	2.09	2.06	NA	NA	68.00	2584.00	NA	7.6	93.70	
A9FH2	SFJ17411	Fresh Frozen Tissue	38	95.00	3610.00	2.05	2.14	NA	NA	77.20	2933.60	NA	7.8	94.80	
A9FH3	SFJ17412	Fresh Frozen Tissue	38	157.00	5966.00	2.15	2.20	NA	NA	117.20	4453.60	NA	7.6	96.30	
A9FT1	SFJ17413	Fresh Frozen Tissue	38	352.20	13383.60	2.29	2.45	NA	NA	308.00	11704.00	NA	7.6	96.30	
A9FT2	SFJ17414	Fresh Frozen Tissue	38	178.80	6794.40	2.16	2.02	NA	NA	168.40	6399.20	NA	7.3	95.10	
A9FT3	SFJ17415	Fresh Frozen Tissue	30	218.10	6543.00	2.25	2.31	NA	NA	168.60	5058.00	NA	5.0	94.20	2
A9FA1	SFJ17416	Fresh Frozen Tissue	30	1569.00	47070.00	2.38	2.40	NA	NA	1332.00	39960.00	NA	6.1	89.50	
A9FA2	SFJ17417	Fresh Frozen Tissue	30	1158.00	34740.00	2.32	2.40	NA	NA	1013.60	30408.00	NA	5.5	91.20	2
A9FA3	SFJ17418	Fresh Frozen Tissue	30	1020.00	30600.00	2.30	2.25	NA	NA	683.80	20514.00	NA	5.7	91.20	2
A40FH1	SFJ17419	Fresh Frozen Tissue	38	56.90	2162.20	1.97	0.85	NA	NA	45.80	1740.40	NA	4.0	90.60	2
A40FH2	SFJ17420	Fresh Frozen Tissue	38	57.10	2169.80	1.98	1.27	NA	NA	45.00	1710.00	NA	7.0	93.70	
A40FH3	SFJ17421	Fresh Frozen Tissue	38	60.90	2314.20	1.96	1.74	NA	NA	62.60	2378.80	NA	7.2	94.40	
A40FT1	SFJ17422	Fresh Frozen Tissue	80	117.40	9392.00	2.10	2.03	NA	NA	104.00	8320.00	NA	7.0	94.00	
A40FT2	SFJ17423	Fresh Frozen Tissue	80	79.60	6368.00	1.97	1.38	NA	NA	69.20	5536.00	NA	7.1	94.10	
A40FT3	SFJ17424	Fresh Frozen Tissue	80	66.60	5328.00	2.01	1.15	NA	NA	60.80	4864.00	NA	7.8	91.60	
A40FA1	SFJ17425	Fresh Frozen Tissue	80	333.40	26672.00	2.32	2.05	NA	NA	243.20	19456.00	NA	6.2	93.60	
A40FA2	SFJ17426	Fresh Frozen Tissue	80	270.60	21648.00	2.31	1.63	NA	NA	216.60	17328.00	NA	7.0	92.40	
A40FA3	SFJ17427	Fresh Frozen Tissue	80	294.70	23576.00	2.27	1.50	NA	NA	212.80	17024.00	NA	4.8	87.80	2

QC Note Legend for RNA

Number	Note
1	Not enough starting material
2	RIN<6
3	DV200<70
4	DNA Spot Check >10%

QC Note Legend for DNA

Number	Note
1	Not enough starting material
2	RNA Spot Check >10%