

QUALITY CONTROL – FRAGMENT ANALYSIS

Application	Platform	Assay	Sample Requirements*	Sample Minimum
RNA Integrity Analysis	Bioanalyzer	Pico	Concentration range: 50 pg/μl - 5 ng/μl	1
		Nano	Concentration range: 5 - 500 ng/μl	
		Small RNA	Concentration range: 1 – 100 ng/μl Size range: 6 - 150 bp	1
	Fragment Analyzer	High Sensitivity	Concentration range: 50 pg/μl - 5 ng/μl	24
	TapeStation	High Sensitivity	Concentration range: 1 - 25 ng/μl	1
dsDNA Integrity Analysis	Bioanalyzer	High Sensitivity	Concentration range: • PCR product: 0.1 - 10 ng/μl • Sheared DNA/NGS library: 0.1 - 10 ng/μl Sizing range: 50 - 7000 bp	1
		DNA 1000	Concentration range: 0.5 - 50 ng/μl Sizing range: 25 - 1000 bp	
	Fragment Analyzer	High Sensitivity	Concentration range: • PCR product: 5 - 500 pg/μl • Sheared DNA/NGS library: 50 pg/μl - 5 ng/μl Sizing range: 25 - 5000 bp	24
		Standard Sensitivity	Concentration range: • PCR product: 0.1 - 10 ng/μl • Sheared DNA/NGS library: 5 - 100 ng/μl Sizing range: 25 - 5000 bp	24
	TapeStation	High Sensitivity D1000	Concentration range: 10 pg/μl - 1 ng/μl Sizing range: 35 - 1000 bp	1
		D1000	Concentration range: 0.1 - 50 ng/μl Sizing range: 30 - 1000 bp	
	Genomic DNA Integrity Analysis	Fragment Analyzer	High Sensitivity	Concentration range: 300 pg/μl - 12 ng/μl Sizing range: 75 – 60,000 bp
TapeStation			Concentration range: 5 - 300 ng/μl Sizing range: 200 - >6000 bp	1
* Sample concentration must be within the range listed (higher end recommended). Dilutions necessary to be within the concentration range of the assay will incur an additional cost.				