

1. Sample Requirements

Sample Type	Amount (Qubit®)	Volume	Concentration	Purity
Genomic DNA	≥ 400 ng	≥ 20 µL	≥ 20 ng/µL	OD260/280=1.8-2.0; No degradation, no contamination
Genomic DNA from FFPE *	≥ 0.8 µg	≥ 20 µL	≥ 20 ng/µL	OD260/280=1.8-2.0; No degradation, no contamination

2. Sequencing Parameters

Platform	Illumina Novaseq 6000
Read length	Paired-end 150 bp
Recommended sequencing depth	effective sequencing depth above 50× (6G)
Data quality	Guaranteed ≥80% bases with Q30 or higher
Turnaround time	5~6 weeks from verification of sample quality to data releasing without bioinformatic analysis (depending on sample size); additional turnaround time needed for bioinformatic analysis
<p>Note: For sequencing depth, the sequencing depth could be customized according to the project needs. Please contact us for more detail information.</p>	

3. Data Analysis Contents

Standard analysis
Data quality control
Alignment with reference genome, statistics of sequencing depth and coverage
SNP and InDel calling, annotation and statistics
Somatic SNP/InDel/CNV calling, annotation and statistics (paired tumor samples)

Novogenen Co. Ltd