

NGS sample specifications – targeted sequencing

	Library Type	Sample Type	Input	Volume	Amount
Targeted Sequencing	Illumina DNA Prep with Enrichment IDT xGen Exome	gDNA (double-stranded)	$OD_{260/280} \geq 1,8$ <u>concentration $\geq 10 \text{ ng}/\mu\text{l} \leq 200 \text{ ng}/\mu\text{l}$</u> (based on Qubit)	in $\geq 15 \mu\text{l}$ TE-Buffer (max. $50 \mu\text{l}$)	at least 150 ng in $15 \mu\text{l}$
	Custom panels (contact first)	gDNA (double-stranded)	$OD_{260/280} \geq 1,8$ <u>concentration $\geq 10 \text{ ng}/\mu\text{l} \leq 200 \text{ ng}/\mu\text{l}$</u> (based on Qubit)	in $\geq 15 \mu\text{l}$ TE-Buffer (max. $50 \mu\text{l}$)	at least 150 ng in $15 \mu\text{l}$
	HLA typing	gDNA (double-stranded)	$OD_{260/280} \geq 1,8$ <u>concentration $\geq 30 \text{ ng}/\mu\text{l} \leq 500 \text{ ng}/\mu\text{l}$</u> (based on Qubit)	in $\geq 40 \mu\text{l}$ TE-Buffer (max. $100 \mu\text{l}$)	at least 1 200 ng in $40 \mu\text{l}$