



This is the lowest quantity needed. We highly recommend you provide at least 2x more!

See the FAQ section of our NGS website for additional recommendations and useful tips!



	Sample type	Lowest amount	Concentration by Qubit	Shipping	Remarks
Illumina	gDNA / Amplicons <i>Standard DNA library</i>	350 / 250 ng	>10 ng/μl	≤ 10°C	<p>All samples – Lowest volume required is 20 μl!</p> <p>DNA samples – Non-degraded DNA dissolved in EB or low TE buffer (<0,1 mM EDTA), RNA-free and without traces of organic solutions (OD260/280 = 1,8-2,0).</p> <p>Amplicons and samples for Tailed Amplicon Library must have size between 200-900 bp including tails and must be purified. See additional instructions on our website!</p> <p>Customer-prepared libraries (Ready-to-Run) for Illumina ShareSeq Data Package / Lane Sequencing must be provided as a final pool with max. 8 b dual indexes, primer and primer-dimer free.</p> <p>Required fragment distribution is:</p> <ul style="list-style-type: none"> • 300-700 bp (PE150) • 400-1000 bp (PE250) <p>RNA samples – Non-degraded RNA (RIN >7) dissolved in RNase-free water, DNA-free and without traces of organic solutions.</p>
	gDNA / Amplicons <i>PCR-free library</i>	2 μg	>20 ng/μl		
	gDNA <i>Whole-exome sequencing</i>	600 ng			
	gDNA <i>Amplicon metagenomics</i>	40 ng	approx. 5 ng/μl		
	Tailed amplicon library				
	Customer-prepared library <i>ShareSeq Data Package</i>	30 μl			
	Customer-prepared library <i>10B and S4 Lane</i>	80 μl	>5 nM		
	Customer-prepared library <i>25B Lane</i>	140 μl			
	Total RNA	1,5 μg	>50 ng/μl		
	dsRNA	200 ng	>20 ng/μl		
Pac Bio	Please inquire				
Oxford Nanopore	gDNA <i>Standard DNA library</i>	2 μg	>40 ng/μl	≤ -20°C	
	Amplicons <i>Standard DNA library</i>	300 fmol	>30 fmol/μl		
	gDNA <i>Amplicon metagenomics</i>	40 ng	approx. 5 ng/μl		

It is recommended to measure concentration using fluorescence-based assays such as Qubit. We strongly advice **not to use Nanodrop** since UV-based measurements are in general inaccurate and **may result in significant overestimation, even by orders of magnitude!**

Deliver/mail your samples to: **SEQme, U Slovanky 2067, 26301 Dobris, Czech Republic.** We recommend low-bind 0,2 ml strips or 96-well plates.

Order on-line at www.seqme.eu