



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 quantity	Concentration by Qubit	Shipping	Remarks
Illumina	gDNA or amplicons <i>Standard DNA library</i>	250 ng	>10 ng/μl	< 10°C	<p><b>All samples – Lowest volume required is 20 μl!</b></p> <p><b>DNA samples</b> – Non-degraded DNA dissolved in EB or low TE buffer (&lt;0,1 mM EDTA), RNA-free and without traces of organic solutions (OD260/280 = 1,8-2,0).</p> <p>Amplicons and samples for <b>Tailed Amplicon Library</b> must have size between 200-900 bp including tails and must be purified. See additional instructions on our website!</p> <p><b>Illumina customer-prepared libraries (Ready-to-Run)</b> for ShareSeq / Lane Sequencing must be provided as a final pool with max. 8 b dual indexes. The main peak size must lie in a range of:</p> <ul style="list-style-type: none"> <li>• 135-700 bp (SE50)</li> <li>• 250-600 bp (PE150)</li> <li>• 350-700 bp (PE250)</li> </ul> <p><b>RNA samples</b> – Non-degraded RNA (RIN &gt;7) dissolved in RNase-free water, DNA-free and without traces of organic solutions.</p>
	gDNA or amplicons <i>PCR-free library</i>	1,5 μg	>40 ng/μl		
	gDNA <i>Whole-exome sequencing</i>				
	gDNA <i>Metagenomic profiling</i>	40 ng	2-5 ng/μl (as precisely as possible)		
	Amplicons <i>Tailed amplicon library</i>				
	BTSeq <b>NEW!</b>				
	Customer-prepared library <i>ShareSeq / Lane Sequencing</i>	20 / 50 μl	>5 nM		
	Total RNA	2 μg	>10 ng/μl		
dsRNA	200 ng				
Pac Bio	Individual consultation needed			< -20°C	
Oxford Nanopore	gDNA / cDNA <i>Standard DNA library</i>	1,5 μg	>40 ng/μl		

### DNA and RNA concentration

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!**

### Sample shipment

- 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](http://www.seqme.eu)