

NGS library QC criteria (RNA)

The values given below are for reference only and may change at any time without notice. For more information, please contact your Macrogen Europe representative.

Please note the difference between the criteria given in nM and those given in ng/μL – as well as the different values for client-prepared and Macrogen-prepared libraries.

1. Illumina sequencing

1.1 Total RNA

<i>Library prep kit</i>	<i>Concentration (nM)</i>	
	<i>Client-prepared</i>	<i>Macrogen-prepared</i>
SMARTer stranded RNA (with Ribo-Zero)	10	5
SMARTer universal low RNA (with Ribo-Zero)	10	5
TruSeq stranded total RNA (microbe)	10	10
TruSeq stranded total RNA (with Ribo-Zero)	10	10

1.2 mRNA

<i>Library prep kit</i>	<i>Concentration (nM)</i>		<i>Concentration (ng/μL)</i>
	<i>Client-prepared</i>	<i>Macrogen-prepared</i>	
Chromium next GEM single cell 3p RNA v3.1	10	5	
Chromium single cell 3p RNA v2	10	5	
Chromium single cell 3p RNA v3	10	5	
Chromium single cell VDJ v1	10	5	
SMARTer ultra low input RNA (poly A)	10	5	
TruSeq RNA Access			5
TruSeq stranded mRNA	10	10	

1.3 Small RNA

<i>Library prep kit</i>	<i>Concentration (nM)</i>	
	<i>Client-prepared</i>	<i>Macrogen-prepared</i>
NEBNext Small RNA	10	5
QIAseq miRNA	10	5
SMARTer small RNA	10	5
TruSeq small RNA library	10	5

2. PacBio sequencing

<i>Library prep kit</i>	<i>Concentration (ng/μL)</i>	<i>Size range (kbp)</i>
Sequel I Iso-Seq Express template prep	5	0.5 – 10
Sequel II Iso-Seq Express template prep	5	0.5 – 10

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