



Sample Submission Guidelines

AmpX – Express Amplicon Sequencing

Sample Type	Purified PCR Product
Sample Size	150-600 bp
Recommended Volume	20 µL
Recommended Concentration	5-25 ng/µL (2 ng/µL minimum)
Illumina Adapter Sequences	For the forward sequencing read: 5'-TCCCTACACGACGCTCTCCGATCTnnnnnn-3' For the reverse sequencing read: 5'-GTTTCAGACGTGTGCTCTCCGATCTnnnnnn-3'

RNA-Seq

mRNA-Seq

Total RNA-Seq

Recommended Quantity	1 µg (200 ng minimum)	1 µg (200 ng minimum)
Recommended Concentration	>10 ng/µL	>50 ng/µL
Recommended Volume	>20 µL	>20 µL
Quality	RIN ≥ 7	RIN ≥ 7
Buffer	RNase-free water	RNase-free water
Shipment	Ship frozen on dry ice	Ship frozen on dry ice

* RNA extraction service available

Whole Genome Sequencing

Recommended Quantity	1 µg (1 ng minimum)
Recommended Concentration	>10 ng/µL
Recommended Volume	>20 µL
Quality	A260/280 1.8-2.0
Buffer	Water, EB, or low TE (< 0.1 mM EDTA)
Shipment	Ship with ice packs

* DNA extraction service available

Sequencing Only (for pre-made libraries)

Recommended Concentration	>10nM (5nM minimum)
Recommended Volume	20 µL
Sample Type	Final libraries
Shipment	Ship with ice packs

* Pooling and additional QC services available

We recommend using Qubit for concentration measurements. If your samples do not meet our recommended requirements, or if you do not see your sequencing type, please contact us at info@ampseq.com or (240) 654-6236. Our NGS team will evaluate your case and provide guidance on the best approach.