

RNA Submission

Recommended sample amounts:

Service Type	Amount required for each sample
Array	
Agilent, arraystar (lncRNA+SE-lncRNA+lncPath)	*2ug -5ug
circRNA Array	*2ug -5ug
Sequencing	
miRNA-seq	*2ug-5ug
RNA seq	*2ug -5ug
tRF/tiRNA seq	Over 5ug
tRNA seq	Over 5ug
sdRNA seq	*2ug-5ug
PCR Array	
NuRNA™ PCR Array	*2ug -5ug
miRStar™ Cancer Focus PCR Array	*2ug -5ug
nrStar™ tRNA PCR Array	Over 5ug
nrStar™ tRF&tiRNA PCR Array	Over 5ug
nrStar™ snoRNA PCR Array	*2ug-5ug
nrStar™ Functional LncRNA PCR Array	*2ug-5ug
PCR	
mRNA PCR	*2ug-5ug
miRNA PCR	*2ug-5ug
Serum/plasma miRNA PCR	*0.5ug-2ug
circRNA PCR	*2ug-5ug
Serum/plasma circRNA PCR	*2ug-5ug
LC-MS	
LC-MS based tRNA modification	*10ug-15ug

* 1) The minimum amount for each sample is intended for the whole experiment, including RNA quality control. If the minimum amount is unavailable, please consult our technical support by email at support@arraystar.com to make special arrangements.

2) The minimum amount is for a single attempt. To minimize delays caused by experiment failures, it is recommended that twice the minimum amount above be supplied.

Shipping on dry ice

1. For freeze-dried RNA
 - a) Lyophilize the RNA samples with a freeze drier according to the manufacturer’s instruction.
 - b) Store and ship the sample at room temperature or on dry ice.

2. For RNA in ethanol
 - a) Redissolve the total RNA in RNase-free water or other regular solution. The final volume should be 100-300ul.
 - b) Add 1/10th volume of 3M NaOAc, pH 5.2; Add 2.5 volumes of 100% ethanol. Mix well by vortexing.
 - c) Store at -80°C or in liquid nitrogen and ship the sample on dry ice.

3. For RNA in nuclease-free water
 - a) Redissolve the total RNA in RNase-free water. The final concentration should be at least 20ng/ul.
 - b) Store at -80°C or in liquid nitrogen and ship on dry ice.

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4. For RNA in Formamide
 - a) Redissolve the total RNA in 100%Formamide (deionized).
 - b) Store at -20°C and ship on dry ice.

Shipping at room temperature

1. For RNA in RNASTable™ (Biomatrix, Cat. # 93221-001/93220-001; Please refer to the supplier's instruction)
 - a) Determine the yield of the purified RNA and apply the RNA samples into RNASTable tubes. For optimal protection, do not apply more than a total of 100ug of RNA per tube in a maximum volume of 100ul water.
 - b) Gently add the RNA sample directly into the tube containing RNASTable.
 - c) Thoroughly mix with gentle pipetting (avoid forming air bubbles).
 - d) For small volume (less than 20ul), air dry the samples overnight in laminar flow hood.
For volumes ≥20ul, or for accelerated drying of all, use a vacuum concentrator (i.e. SpeedVac) without heat to ensure complete sample drying. Recommended drying times are given in the following table.

Sample volume(ul)	Approximate drying time(h)
10-20	0.5
20-30	1
30-100	1.5

- e) Close tube, store or ship the samples at room temperature.