

Total RNA Submission for MeRIP-Sequencing

Sample requirements

Complete MeRIP-seq service starting from total RNA	
Sample type	Total RNA
Sample amount	≥ 100 ug
Sample quality	Intact RNA, no excessive degradation or fragmentation*.

* Poly(A+) mRNAs will be isolated by Arraystar as included in the Service. The RNA integrity ensures better recovery by poly(A+) selection.

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.

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 manufacturer’s instructions.
 - a) Determine the yield of each purified RNA sample, and gently dispense each RNA 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) Thoroughly mix the RNA with the RNastable by gently pipetting up and down (avoid forming air bubbles).
 - c) For small volumes (less than 20ul), air dry the samples overnight in laminar flow hood.
For volumes ≥20ul, or for accelerated drying, 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

- d) Close the tubes, and store or ship the samples at room temperature.