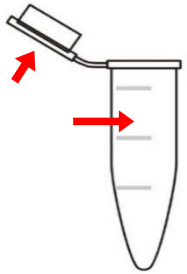
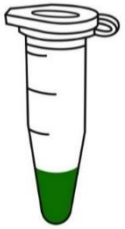
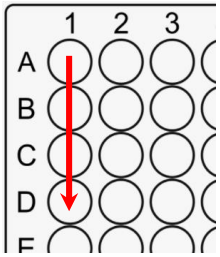
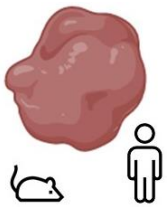
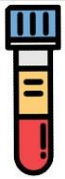
DNA/RNA Sample Preparation Guide

	Please write* the sample name clearly on the lid or side of the tube *Oil-based pen		Sample Volume : 25ul~100ul Sample Amount : Please prepare more than the amount that meet the QC criteria
	Frozen Shipping ※ Refrigerated delivery is possible if using the stable kit		Specific and accurate sample information is required. (Sample type, buffer, extraction methods & etc.,)
	1.5ml~2ml round tube or conical tube		If you use 96well plate, arrange the samples vertically

DNA/RNA Extraction Sample Guide

 Tissue	Over 50mg	**DNA extraction** 1) Add a RNAlater & frozen shipping **RNA extraction** 1) Add a RNAlater & frozen shipping 2) Add a Trizol & frozen shipping	 Cell	Over $2x10^6$	**DNA extraction** 1) Cell pellet and add a media : delivery with frozen RNA extraction 1) Add a Trizol & frozen shipping 2) Add a media and delivery with frozen
 Blood	Over 200ul	**DNA extraction** 1) Using EDTA tube & refrigerated shipping **RNA extraction** 1) Use PAXgene or Tempus tube & refrigerated shipping 2) Using the EDTA tube & refrigerated shipping	 Plant	Over 50mg	**DNA extraction** 1) Add a RNAlater & frozen shipping **RNA extraction** 1) After freeze-drying, grind and frozen shipping
 Bacteria	Over $1x10^9$	**DNA/RNA extraction** 1) Bacteria pellet : delivery with frozen 2) Culture with liquid media & delivery with refrigerated * The solid media(plate) is highly likely to be contaminated, so only refrigerated shipping is recommended.	 Serum/Plasma Exosome	Over 1ml	**DNA extraction** 1) Add a RNAlater & frozen shipping **RNA extraction** 1) Frozen shipping * Add 200ul elution solution to the sample from which Exosome is separated.
	If sample are not applicable to the guide, Please discuss with regional sales representative.				

RNAlater / PAXgene Blood RNA tube Guide

Name of Kit		Maker	Relatives	
RNAprotect Tissue Reagents		QIAGEN (#76104)	1. Add enough tissue to soak in the reagent. 2. Not recommend to use Cell, Blood, plasma and serum. 3. Not recommend for fatty tissues [1]	For RNA stabilization ❖ 15~25℃, 1 weeks ❖ 2~8℃, 4 weeks ❖ -20 or -80℃, long-term storage
PAXgene Blood RNA tube		QIAGEN (#762165)	1. After collecting blood, mix more than 10 times by inverting. 2. Store at RT for 2 to 72hrs and move to refrigerator (2-8°C) or Freezer(-20°C) [2]	For RNA stabilization ❖ 18~25℃, 3days ❖ 2~8℃, 5days ❖ -20 or -70℃, long-term storage
GenTegra RNAssure™		GenTegra (#GTR50-LQ)	1. Please use it as the final elution buffer for RNA extraction. 2. Recommend minimum elution volume is more than 20ul. [3]	For RNA stabilization ❖ 15~25℃, 3days ❖ 2~8℃, 2weeks ❖ -20 or -70℃, 1 year

1) https://www.qiagen.com/us/products/discovery-and-translational-research/dna-rna-purification/rna-purification/total-rna/rnaprotect-reagents-and-tubes/
2) https://www.qiagen.com/us/products/discovery-and-translational-research/sample-collection-stabilization/rna/paxgene-blood-rna-tubes/
3) https://gentegra.com/gentegra-rnassure/