



MacroGen, Inc

10th FL, 254, Beotkkot-ro, Geumchun-gu, Seoul 153781 (World Meridian Venture Center #1-Cha),
South Korea

Shipping instructions

Ship to:

MacroGen, Inc

#1003, 254, Beotkkot-ro, Geumchun-gu,

Seoul 08511 (World Meridian Venture Center #1-Cha)

South Korea

Phone +82-(0)2-2180-7168

Please click below link and use it for generating shipping label to get your shipping cost covered.

http://dna.macrogen.com/fedex2/standalon_ ngs.jsp

You are welcome to include dry ice or ice packs with the samples

The class to select is 'International Priority'

You will need to fill out/print out 'commercial invoice' along with the FedEx label.

The item should be described as 'non-hazardous, non-infectious, inert human derived DNA samples'.

The declared price for the items should be somewhere between \$80 -\$100 in order to avoid any undue scrutiny.

The amount of dry-ice to be used should be 10 lbs or less.

Please let me know if you come up any question during sample preparation and shipping.

Thank you.

Sample submission guideline

1. DNA submission condition

- Submit sample DNA in TE buffer at a minimum concentration of 50ng/ μ l in a clearly labeled 1.5~2.0ml microcentrifuge tube sealed with parafilm tightly.
- Include a brief description of the DNA extraction and/or enrichment protocol used in the 'comments' fields of the sample order sheet.
- Certain carriers and pellet paint types are not compatible with aspects of our sequencing technology.

Non-robust results have been observed from samples where Lithium Chloride (LiCl), fluorescent pellet paint, or tRNA was used prior to precipitation and resuspension for sample preparation input.

2. RNA submission condition

- The best condition for RNA storage or delivery is Ethanol precipitation condition (stable for 1 year at -20C); All solutions should be used with DEPC-treated water.
 - A. Add 0.1 volume of 3 M Sodium Acetate (NaOAc, pH5.5) to RNA solution and mix gently.
 - B. Add 2 volume of 100% ethanol to RNA solution and mix gently.

ex) If you have 100 μ l of RNA solution, add 10 μ l of 3 M Sodium Acetate (NaOAc, pH5.5) and 220 μ l of 100% ethanol to RNA solution and mix well gently.
 - C. Send with blue ice packs

- Submit sample RNA in a clearly labeled 1.5~2.0ml microcentrifuge tube sealed with parafilm tightly.
- Include a brief description of the RNA extraction and/or enrichment protocol used in the 'comments' fields of the order sheet.
- Certain carriers and pellet paint types are not compatible with aspects of our sequencing technology.

Non-robust results have been observed from samples where Lithium Chloride (LiCl), fluorescent pellet paint, or tRNA was used prior to precipitation and resuspension for sample preparation input.

- Alternatively, the dry phase RNastable tubes from Biomatrix at <http://biomatrix.com/rnastable.php>.

3. Shipping Samples to MacroGen

- Place sealed individual microcentrifuge tubes in a 50ml disposable screw cap tube for additional insulation during shipment. To prevent sample tubes from moving during shipment, pack any remaining space in the 50ml tube with clean tissue paper prior to sealing.
- You should include the followings in the package.
 - A. Prepared Sample with ice pack or dry ice.
 - B. MacroGen Sample Order Sheet (with QC files if available).

4. Shipping Address

MacroGen, Inc
#1003, 254, Beotkkot-ro, Geumchun-gu,
Seoul 08511 (World Meridian Venture Center #1-Cha)
South Korea
Phone +82-(0)2-2180-7168

* We offer FREE shipping for your sample delivery.

Please click below link and use it for generating shipping label to get your shipping cost covered.

http://dna.macrogen.com/fedex2/standalon_ ngs.jsp

5. Sample & Data storage period

Your sample & data will be discarded after 3 months of data delivery. You may extend the period with a special request.

SQC DNA

Platform	Requested Library type		QC Criteria				etc
			Conc.(ng/μℓ)	Purity(A260/A280)	Vol.(μℓ)	Total Amount	
HiSeq	Shotgun Library	TruSeq DNA Nano (350)*	>10ng/μℓ	>1.7	>10μℓ	>0.1μg	
HiSeq	Shotgun Library	TruSeq DNA Nano (550)*	>20ng/μℓ	>1.7	>10μℓ	>0.2μg	
HiSeq	Shotgun Library	TruSeq DNA metashotgun	>10ng/μℓ	>1.7	>10μℓ	>0.1μg	Smear>1kb
HiSeq	Shotgun Library	TruSeq DNA PCR-Free (350bp insert)**	>20ng/μℓ	>1.7	>50μℓ	>1.0μg	
HiSeq	Shotgun Library	TruSeq DNA PCR-Free (550bp insert)**	>20ng/μℓ	>1.7	>100μℓ	>2.0μg	
HiSeq	Shotgun Library	TruSeq DNA Library(designated insert size)	>100ng/μℓ	>1.7	>30μℓ	>3.0μg	
HiSeq	Shotgun Library	PCR product (LMW)	>10ng/μℓ	>1.7	>10μℓ	>0.1μg	
HiSeq	Shotgun Library	Nextera XT Library	>0.2ng/μℓ	>1.7	>5μℓ	>0.001μg	
HiSeq	Shotgun Library	MBD Enriched Library	>20ng/μℓ	>1.7	>50μℓ	>1.0μg	
HiSeq	Shotgun Library	TruSeq DNA Methylation	>10ng/μℓ	>1.7	>30μℓ	>0.2μg	
HiSeq	Shotgun Library	Accel DNA Methylation	>10ng/μℓ	>1.7	>30μℓ	>0.2μg	
HiSeq	Mate Pair Library	Nextera Mate Pair (Gel-free)	>20ng/μℓ	>1.7	>50μℓ	>1.0μg	
HiSeq	Mate Pair Library	Nextera Mate Pair (Gel-plus)	>100ng/μℓ	>1.7	>40μℓ	>4.0μg	
HiSeq	Mate Pair Library	Nextera Mate Pair (other size)	>100ng/μℓ	>1.7	>80μℓ	>8.0μg	
HiSeq	Exome Library	Nextera Rapid Exome Capture	>5ng/μℓ	>1.7	>10μℓ	>0.05μg	
HiSeq	Exome Library	SureSelect_V4_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V4+UTR_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V5_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V5+UTR_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V6_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V6+UTR_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V6+COSMIC_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect_V7_PostCap	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect Mouse	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	Sureselect Mouse Methyl-seq	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	Sureselect Human Methyl-seq	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect custom	>50ng/μℓ	>1.7	>20μℓ	>1.0μg	
HiSeq	Exome Library	SureSelect FFPE	>10ng/μℓ	-	>20μℓ	>0.2μg	
HiSeq	Exome Library	SureSelect cfDNA	>10ng/μℓ	-	>20μℓ	>0.02μg	
HiSeq	ChIP seq Library	TruSeq ChIP Library	>10ng/μℓ	>1.7	>10μℓ	>0.01μg	
HiSeq	Amplicon Library	16s rDNA	>0.1ng/μℓ	-	-	-	Conc > 0.1ng/ul
HiSeq	Amplicon Library	mt DNA	>10ng/μℓ	>1.7	>10μℓ	>0.1μg	
HiSeq	Modified Library	GBS Library (single Library)	>20ng/μℓ	>1.7	>10μℓ	>0.2μg	
HiSeq	Modified Library	GBS Library (double Library)	>20ng/μℓ	>1.7	>10μℓ	>0.2μg	
HiSeq	Modified Library	RAD Library (single Library)	-	-	-	-	
HiSeq	Modified Library	RAD Library (double Library)	-	-	-	-	
HiSeq	10x Chromium Library	Chromium Genome Library	>50ng/ul	-	>20ul	>1.0μg	DIN>7.0
HiSeq	10x Chromium Library	Chromium genome Library (Exome capture)	>50ng/ul	-	>20ul	>1.0μg	DIN>7.0
PacBio	SMRTbell Library	10kb SMRTbell TPK	>50ng/μℓ	-	>120μℓ	>6μg	
PacBio	SMRTbell Library	20kb SMRTbell TPK	>50ng/μℓ	-	>160μℓ	>8μg	
PacBio	SMRTbell Library	20kb SMRTbell Express (sequel)	>50ng/μℓ	-	>160μℓ	>8μg	
PacBio	SMRTbell Library	PacBio Amplicon Library Construction (1kb to 5 kb)	>50ng/μℓ	-	>20μℓ	>1.0μg	
PacBio	SMRTbell Library	PacBio Sequel Microbial Library Construction	>50ng/μℓ	-	>60μℓ	>3.0μg	

*TruSeq Nano final Library Bioanalyzer traces run slightly larger than expected by calculation (insert + adapter) but the majority of the paired-end reads post-alignment are in the targeted range. This difference is minor and likely due to smaller fragments amplifying more readily on the cBot thus resulting in the majority of the sequencing reads of the expected insert size.

**PCR-Free Library fragment sizes measured on the Bioanalyzer are substantially larger than would be predicted or derived from sequencing data. This is due to anomalous migration of fragments on the chip due to the presence of certain structural features which would normally be removed if a subsequent PCR-enrichment step were performed.

SQC RNA

Platform	Requested Library type		QC Criteria						etc
			Status	Conc.(ng/μℓ)	Vol.(μℓ)	Total Amount	RIN	rRNA ratio	
HiSeq	RNA Library	TruSeq mRNA	Total RNA	>20ng/μℓ	>50μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded mRNA	Total RNA	>20ng/μℓ	>50μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero Human/Mouse/Rat	Total RNA	>20ng/μℓ	>50μℓ	>0.5ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero Gold Human/Mouse/Rat	Total RNA	>20ng/μℓ	>50μℓ	>0.5ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero Human/Mouse/Rat	Total RNA	>20ng/μℓ	>50μℓ	>0.5ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA sample preparation kits with Ribo-Zero Plant	Total RNA	>20ng/μℓ	>50μℓ	>0.5ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq RNA (Microbe)	Total RNA	>100ng/μℓ	>30μℓ	>3.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded mRNA (microbe)	Total RNA	>100ng/μℓ	>30μℓ	>3.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Small RNA Library	Total RNA	-	-	>3.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Small RNA Library	Small RNA	-	-	>0.1ug			
HiSeq	RNA Library	SMARTer Universal low RNA Library	Total RNA	>10ng/μℓ	>5μℓ	>0.05ug	>7.0	>1.0	
HiSeq	RNA Library	SMARTer Ultra low input RNA Library	Total RNA	>2ng/μℓ	>5μℓ	>0.01ug	>7.0	>1.0	
HiSeq	RNA Library	SMARTer Stranded RNA Library	Total RNA	>10ng/μℓ	>5μℓ	>0.05ug	>7.0	>1.0	
HiSeq	RNA Library	SMARTer smRNA Library	Total RNA	>10ng/ul	>5ul	>0.05ug	>7.0	>1.0	
HiSeq	RNA Library	SMARTer smRNA Library	Small RNA	-	-	>0.01ug			
HiSeq	RNA Library	NEB smRNA Library	Total RNA	-	-	>3.0ug	>7.0	>1.0	
HiSeq	RNA Library	NEB smRNA Library	Small RNA	-	-	>0.1ug			
HiSeq	RNA Library	TruSeq RNA Access Library	Total RNA	>20ng/μℓ	>5μℓ	>0.1ug			DV200(>50)
HiSeq	RNA Library	TruSeq RNA (designated insert size)	Total RNA	>100ng/μℓ	>30μℓ	>4.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq RNA	mRNA	>10ng/μℓ	>10μℓ	>0.1ug			
HiSeq	RNA Library	TruSeq RNA	cDNA	>10ng/μℓ	>10μℓ	>0.1ug			
HiSeq	RNA Library	TruSeq Stranded mRNA	mRNA	>10ng/μℓ	>10μℓ	>0.1ug			
HiSeq	RNA Library	Chromium Single Cell 3p RNA library v2	Total RNA	-	-	-			Viability(>70)
HiSeq	RNA Library	SureSelect RNA Direct_Human	Total RNA	>10ng/μℓ	>10μℓ	>0.1ug			DV200(>50)
HiSeq	RNA Library	SureSelect RNA Direct_Human	FFPE RNA	>10ng/μℓ	>10μℓ	>0.1ug			DV200(>50)
HiSeq	RNA Library	SureSelect RNA Direct_Mouse	Total RNA	>10ng/μℓ	>10μℓ	>0.1ug			DV200(>50)
HiSeq	RNA Library	SureSelect RNA Direct_Mouse	FFPE RNA	>10ng/μℓ	>10μℓ	>0.1ug			DV200(>50)
HiSeq	RNA Library	Chromium Single Cell 3p RNA library v3	Total RNA	-	-	-			Viability(>70)
HiSeq	RNA Library	Chromium Single Cell 3p RNA library v2	Total RNA	-	-	-			Viability(>70)
HiSeq	RNA Library	Chromium Single Cell VDJ library v1	Total RNA	-	-	-			Viability(>70)
HiSeq	RNA Library	TruSeq Total RNA with Ribo-Zero	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Total RNA with Ribo-Zero(Insert size)	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Total RNA with Ribo-Zero Bacteria	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Total RNA with Ribo-Zero Bacteria	Total RNA	>10ng/μℓ	>10μℓ	>2.5ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero H/M/R	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero H/M/R_Gold	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero H/M/R_Globin	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero Plant	Total RNA	>10ng/μℓ	>10μℓ	>1.0ug	>7.0	>1.0	
HiSeq	RNA Library	TruSeq Stranded Total RNA with Ribo-Zero Bacteria	Total RNA	>10ng/μℓ	>10μℓ	>2.5ug	>7.0	>1.0	
PacBio	SMRTbell Library	PacBio RSII Iso-Seq Library Construction	Total RNA	>100ng/μℓ	>20μℓ	>2.0ug	>7.0	>1.0	
PacBio	SMRTbell Library	PacBio Sequel Iso-Seq Library Construction (below 4kb)	Total RNA	>100ng/μℓ	>20μℓ	>2.0ug	>7.0	>1.0	
PacBio	SMRTbell Library	PacBio Sequel Iso-Seq Library Construction (above 4kb)	Total RNA	>100ng/μℓ	>30μℓ	>3.0ug	>7.0	>1.0	