Sample Requirements Guide

Preparation of samples for submission to the MAGIC (McGill Applied Genomics Innovation Core) platform at the McGill Genome Centre must be done according to the specifications below. Samples must be supplied in the **Carrier Type** specified (recommended catalog numbers at bottom of page) and follow our guidelines for the **Volumes**, **Quantity**, and **Concentrations** requested. Samples that do not meet these requirements may not be guaranteed the desired results, may result in delays to the project and/or may be subject to additional labor charges and will be communicated to the client before proceeding.

Illumina Sequencing

Sample Type	Carrier Type	Minimal Volume (µL)	Minimal Quantity (ng)	Maximum Volume (µL)	Minimal Library Conc (nM)	Maximal Library Conc (nM)
DNA for WGS	96-well plate LoBind, skirted[1]	40	1000	100		
DNA for WGBS/Exome	96-well plate LoBind, skirted[1]	40	2000	100		
RNA	1.5 mL LoBind Tube in a stock box[2]	10	1000	15		
Illumina library	96-well plate LoBind, skirted[1]	25		100	3nM	100 nM
Pool of Illumina libraries	96-well plate LoBind, skirted[1]	25		100	3nM	100 nM

MGI Sequencing

Sample Type	Carrier Type	Minimal Volume (µL)	Minimal Quantity (ng)	Maximum Volume (µL)
DNA for WGS	96-well plate LoBind, skirted[1]	40	2000	100
DNA for WGBS	96-well plate LoBind, skirted[1]	40	200	80
RNA	1.5 mL LoBind Tube in a stock box[2]	10	1000	20
Illumina library for MGI conversion	96-well plate LoBind, skirted[1]	25	100	100

Genotyping

Sample Type	Carrier Type	Minimal Volume (µL)	Minimal DNA Concentration (ng/µL)
DNA for Axiom Genotyping	96-well plate LoBind, skirted[1]	50	15
DNA for Illumina Infinium	96-well plate LoBind, skirted[1]	12	50
DNA for SNPtype on Biomark HD, per panel	96-well plate LoBind, skirted[1]	10	20
DNA for TaqMan on LC 480 II, per assay	96-well plate LoBind, skirted[1]	10	10

Recommended carrier type

[1]96-well plate LoBind, skirted – Eppendorf catalog #30129512

[2]1.5 mL LoBind Tube in a stock box – Eppendorf catalog #22431021