Princess Margaret Genomics Centre
101 College Street
PMCRT, Room 9-601A
Toronto, ON, M5G 1L7

PMGC SAMPLE SUBMISSION GUIDELINES FOR MISSION BIO TAPESTRI

Prior to Submission Date

1. Prior to Sample submission coordinate with Amina (amina.abow@uhn.ca) to schedule date and time for submission.
2. Please complete and submit the **PMGC Tapestri Submission Form** prior to sample submission date.

Day of Submission

Fresh Cell Submissions

1. On the day of sample submission, prepare your cell suspension following the protocol for Tapestri Single-Cell DNA + Protein Sequencing (User Guide MB05-0018) or Tapestri Single-Cell-DNA-Sequencing (User Guide MB05-0017) for sample preparation guide.
2. IMPORTANT: If your sample type may be contaminated with red blood cells, assess sample pellet for red blood cells. If the cell pellet is red, add a red blood cell lysis step to sample preparation.
3. Count cells on hemocytometer using Trypan Blue to calculate cell viability.
    a. Cell viability must be >90% for Tapestri DNA+Protein assay and >80% for Tapestri DNA assay.
    b. 1 million cells are needed for staining portion of Tapestri DNA+Protein assay and a minimum of 126,000 cells are needed for loading the Tapestri machine for both Tapestri DNA+ Protein and Tapestri DNA assay.
4. Bring sample on wet ice to PMGC.

Tissue Preparation for Nuclei Extraction

1. Tissue for nuclei extraction should be snap frozen with liquid nitrogen and kept at -80^{o}C.
2. If OCT is used during tissue preparation please let us know in advance.
3. A minimum of 126,000 nuclei is needed to load into Tapestri machine.

Sample Drop-off / Shipping

If dropping off samples: Please **schedule your drop off date and time in advance**.

- Your PMGC contact will meet you at the **9th floor elevator lobby** of the Princess Margaret Cancer Research Tower (PMCRT) at your pre-arranged time. PMCRT is the East Tower of the MaRS building, near the corner of College and Elizabeth Street entrance.

Amina Abow
For Mission Bio Tapestri inquiries,
(416) 581-7439
amina.abow@uhn.ca

Dr. Troy Ketela, Head of Operations
For new project inquires,
(416) 634-8816
Geneservice@pmgenomics.ca

- Email or call/text when you are at the designated meeting area and your PMGC contact will come to collect the samples.
- REMINDER: Transport samples using appropriate means of storage (e.g. on dry ice for frozen samples, wet ice for fresh samples). Please confirm with PMGC if any questions.

If shipping samples (cryo-preserved cells or frozen tissue): Please ship out on **Monday/Tuesday** to prevent weekend delays. Place a generous supply of dry ice to ensure dry ice will remain for the duration of the delivery time. For international clients, we recommend shipping with World Courier for tissues/cells. Within Canada, we recommend FedEX Next Day Priority services.

Shipping address:

Attn: Amina Abow
Princess Margaret Genomics Centre
101 College St.
PMCRT, Rm 9-601A
Toronto, Ontario M5G 1L7
Canada