



Project/Sample Submission for 9.5K Illumina Protein Prep:

GTAC@MGI requires all samples be submitted with the correct submission form and template matrix. Samples must be randomized across the 96 sample matrix. Samples received without submission forms, or forms missing required information will not be processed until complete information is provided.

Samples should be provided in well labeled 1.5ml tubes, with the unique label matching the sample name on the submission form. As well, please include PI and date on the submission form.

GTAC can accommodate projects in the following manner:

- 1. Ideally, samples should be submitted in sets of 85 as these Plasma or Serum Protein Prep kits are provided only as 85 sample reaction kits.*
- 2. Projects of smaller sizes can be submitted for kit sharing; however, the wait time to begin processing is unknown in order to match other small projects to the 85 sample kit runs.*
- 3. If you cannot fill an entire kit, but do not wish to wait to be matched with another project, we can begin per your approval. (GTAC can run some samples as technical replicates if sample volume allows.) Please note that you will be charged for all 85 reactions if you wish to proceed with an entire kit.*

NOTE: Improperly prepared samples may impact analyte measurements.

Quality control for IPP:

Prior to processing samples through the IPP assay, GTAC will evaluate all submitted protein. Initial QC specifications will require an email confirmation if you wish to proceed with processing. If a sample should fail due to a technical error, investigators will only be charged for the samples that were completed.

Data exports and analysis:

IPP data will be processed through the Illumina Nova Seq X sequencer. Raw data will be uploaded to Illumina for data QC and standardization. The final data set will include a generated .adat file, a reformatted text file with standardized relative fluorescent unit (RFU) for 9.5K proteins, Quality Statements (SQS) and basic differential expression.

Sample Matrix	Required Sample Volume
Human Plasma and Serum	130ul