

Sample Submission Guidelines

Gene Expression Services Using Illumina Whole Genome Expression Arrays:

A job quote must be requested and a signed Statement of Work must be returned to the core before any samples will be accepted.

Submitting total RNA

- 1) A minimum of 500 nanograms of high quality RNA is required for every sample. RNA must be at a concentration of 25-100 nanograms/microliter. RNA should be diluted in RNase free water. A bioanalyzer reading is required for RNA quality assessment. Leftover RNA will be returned to the client at the end of the experiment.
- 2) A sample record that defines the sample identity and quantity must be submitted as an EXCEL file. A template entry form is available from the core.

Submitting cRNA or cDNA probes

- 1) An aliquot of the total RNA used as input must be submitted for bioanalyzer.
- 2) Biotin-labeled probe will also be run on bioanalyzer prior to hybridization.
- 3) A sample record that defines the sample identity for each well in every plate must be submitted as an EXCEL file. A template for sample submission is available from core staff.

Other Gene Expression Assays (miRNAs and qPCR based assays)

Sample requirements are dependent on the assay. Please consult with core staff.