

Illumina Genome Analyzer Sequencing Services
Microarray Core Facility
Huntsman Cancer Institute Room 3363
University of Utah
June 2009

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1. Sample Quality Pricing

| <u>Service Category</u> | <u>Description</u> | <u>UofU Pricing</u> | <u>External Pricing</u> |
|-------------------------|-----------------------|---------------------|-------------------------|
| a. Sample Quality | Bioanalyzer RNA Nano | \$7 | \$10.50 |
| b. Sample Quality | Bioanalyzer RNA Pico | \$8 | \$12 |
| c. Sample Quality | Bioanalyzer Small RNA | \$10 | \$15 |
| d. Sample Quality | Bioanalyzer DNA 1000 | \$10 | \$15 |
| e. Sample Quality | Qubit PicoGreen Assay | \$4 | \$6 |
| f. Sample Quality | gDNA gel | \$6 | \$9 |

Notes:

¹Recommended concentration of total RNA for Bioanalyzer RNA Nano is 25-500 ng/μl.

²Recommended concentration of total RNA for Bioanalyzer RNA Pico is 50-5000 pg/μl.

³Recommended concentration for Bioanalyzer Small RNA is 50-2000 pg/μl for purified small RNA and 1-100 ng/μl for total RNA.

⁴Recommended concentration of DNA for Bioanalyzer DNA 1000 is 0.1-50 ng/μl. This assay covers DNA that ranges from 25-1000 bp. This assay is performed to qualify all Illumina library preparations.

⁵The Qubit PicoGreen Assay is used to determine the concentration ChIP DNA samples.

⁶The gDNA gel assay is used to qualify high molecular weight DNA prior to CGH labeling or Illumina Genomic DNA library preps.

2. Illumina Library Preparation Pricing:

| <u>Service Category</u> | <u>Description</u> | <u>UofU Pricing</u> | <u>External Pricing</u> |
|---------------------------------|--------------------|---------------------|-------------------------|
| a. Illumina Library Preparation | Genomic DNA | \$385 | \$577.50 |
| b. Illumina Library Preparation | ChIP Seq | \$320 | \$480 |
| c. Illumina Library Preparation | mRNA-seq | \$335 | \$502.50 |
| d. Illumina Library Preparation | Small RNA | \$315 | \$472.50 |

Notes:

¹Genomic DNA provided for Illumina library preps will be qualified using a gDNA gel assay prior to starting the genomic DNA library kit procedure.

²ChIP DNA provided for Illumina library preps will be qualified using a Qubit PicoGreen assay prior to starting the ChIP-seq library kit procedure.

³RNA provided for Illumina library preps will be qualified using a Bioanalyzer NanoChip gel assay prior to starting the mRNA-seq or the small RNA sample prep kit procedure.

3. Array Capture

| <u>Service/Product Category</u> | <u>Description</u> | <u>UofU Pricing</u> | <u>External Pricing</u> |
|---------------------------------|----------------------------|---------------------|-------------------------|
| a. Array Capture | 244K or 1M | \$160 | \$240.00 |
| b. Array Capture | 105K or 400K | \$125 | |
| c. Array Capture | 44K or 180K | \$90 | |
| d. Agilent 244K microarray | all applications/organisms | \$428 | \$428 |
| e. Agilent 105K microarray | all applications/organisms | \$279 | \$279 |
| f. Agilent 44K microarray | all applications/organisms | \$163 | \$163 |
| g. Agilent 1M microarray | all applications/organisms | \$512 | \$512 |
| h. Agilent 400K microarray | all applications/organisms | \$330 | \$330 |
| i. Agilent 60K microarray | all applications/organisms | \$194 | \$194 |

Notes: ¹Genomic DNA for array capture must go through Illumina Genomic DNA library preparation procedure prior to array capture.

²Array Capture requires a microarray slide in addition to the array capture service.

³Agilent 244K and 1M microarrays and array capture services using these microarrays must be ordered in multiples of 1.

³Agilent 105K and 400K microarrays and array capture services using these microarray must be ordered in a multiple of 2.

⁴Agilent 44K and 180K microarrays and array capture services using these microarrays must be ordered in a multiple of 4.

4. Illumina Genome Analyzer Sequencing Pricing

| <u>Service Category</u> | <u>Description</u> | <u>UofU Pricing</u> | <u>External Pricing</u> |
|---------------------------|----------------------|---------------------|-------------------------|
| a. Illumina GA Sequencing | 36 Cycle Single Read | \$625 | \$937.50 |
| b. Illumina GA Sequencing | 36 Cycle Paired End | \$1155 | \$1732.50 |

Notes: ¹A 36 Cycle SR sequencing run includes one lane on a flow cell that generates 36 nucleotides of DNA sequence from a single end of each cluster.

²A 36 Cycle PE sequencing run includes one lane on a flow cell that generates 36 nucleotides of DNA sequence from both ends of the DNA clusters within the flowcell lane.