

OUHSC Laboratory for Genomics and Bioinformatics Fee Structure	Updated 07-28-08
DNA Sequencing, Fragment Analysis and Genotyping	Price
Small-Scale Custom DNA Sequencing (Academic) For submissions of <96 per plate	\$6.00/reaction
Large Scale Custom DNA Sequencing (Academic) For submissions of full 96-well plates	\$4.00/reaction
Whole Genome Sequencing and Library Construction	Contact us
Small-Scale Fragment Analysis (microsatellite, AFLP, TRFLP and SNP) Rate applies to submissions of less than 96 samples at a time of fluorescently labeled products for size or allele determination using the ABI 3730xl. Fragment lengths can range from 35bp to 600bp for microsatellite samples and 15bp to 120bp for SNP samples. *Please contact us directly if you require facility personnel to perform amplification with fluorescent primers as pricing will be affected.	\$5.00/sample
High Throughput Fragment Analysis (microsatellite, AFLP, TRFLP and SNP) Rate applies to submissions of 96 samples at a time of fluorescently labeled PCR products for size or allele determination using the ABI 3730xl. Fragment lengths can range from 35bp to 600bp for microsatellite samples and 15bp to 120bp for SNP samples. *Please contact us directly if you require facility personnel to perform amplification with fluorescent primers as pricing will be affected.	\$3.00/sample
Sample clean up and quantitation	
SAP/ExoI treatment For cleanup of PCR products prior to cycle sequencing. Samples should contain a single product as verified on an agarose gel prior to submission.	\$1.00/reaction
Spec reading of DNA in 96 well plate Absorbance read at 260 and 280 using Molecular Devices SpectraMax. Concentration and 260/280 ratios provided for each sample.	\$11.00/plate
Nanodrop: RNA and DNA Quantitation (up to 10 samples) The Nanodrop uses undiluted sample in a minimum volume of 1µl and a maximum volume of 2µl which can be recovered after analysis. Sensitivity range is from 5ng to 3700ng, making the Nanodrop useful for determining concentration of samples that may be limited in volume or that may be too dilute for accurate reading on other platforms.	\$3.00
Nanodrop: RNA and DNA Quantitation (11-20 samples) The Nanodrop uses undiluted sample in a minimum volume of 1µl and a maximum volume of 2µl which can be recovered after analysis. Sensitivity range is from 5ng to 3700ng, making the Nanodrop useful for determining concentration of samples that may be limited in volume or that may be too dilute for accurate reading on other platforms.	\$5.00
Nanodrop: Protein Quantitation with standard curve (up to 10 samples) Facility personnel will perform BCA protein assay on sample and will perform standard curve.	\$45.00
Nanodrop: Protein Quantitation with customer provided standard curve (up to 10 samples)	\$3.00

Customer must provide standard curve information or standards for reading on Nanodrop. Pricing is the same as for RNA and DNA quantitation.	
Bioanalyzer: RNA, DNA, and Protein Analysis (1-12 samples/run) To determine quality of sample prior to use in downstream applications such as microarrays, real time PCR, sequencing, and binding assays. *RNA analysis available for either total RNA or small RNA (≤ 100 bp). Small RNA chip holds only 11 samples.	\$40.00/run
Other Related Services	
DNA normalization Includes spec reading (A260/280) of samples in plate and normalization to constant volume and concentration across plate.	\$15.00/plate
Transfer of DNA using Biomek NX Transfer of equal volumes for each DNA sample from 96-well plate to a 96- or 384-well plate. Price for transfer of samples to 384-well is up to four 96-well plates per one 384-well plate. Used for setting up PCR, Real Time and sequencing reactions in bulk.	\$25.00/plate
Transfer of equal volumes of sample from 96- or 384- well plate to multiple 96- or 384- well plates. Price given is for transfer to four 384-well plates. <i>*Costs may vary slightly based on plate type needed. If multiple transfers are done at the same time, difference in charge is based on cost of additional plates.</i>	\$45.00
High Throughput Culture and Plasmid Prep Includes inoculation of 96-well deep well block with cells from freezer stock provided by customer. Freezer stock of re-growth provided with isolated DNA from Millipore Montage 96-well plasmid prep. <i>*NOTE: Cost for prepping and immediate sequence of clones in one direction is cheaper than sequencing at a later time.</i>	\$2.00/well w/o seq. \$5.00/well with seq.
96 well freezer stock -80°C freezer stock of 96-well bacterial cultures provided in sterile, flat bottom plate with final concentration of glycerol 25%.	\$6.50/plate
High throughput PCR 96-well PCR (25 μ l reactions) using the same primer pair for each sample. Cost includes use of any of the facility provided universal primers listed on the sequencing section of our webpage. * If custom primers are used then they must be added by the customer prior to cycling. DNA template must be provided in 96- or 384- well format.	\$100/plate \$1.05/sample (min. 48 samples)
PF2D and Related Services	
PF2D Protein Fractionation (1st and 2nd dimensions) Complete run of one sample that requires lysis and complete fractionation. Price includes all 96-well deep well blocks for storage of 1 st and 2 nd dimension fractions.	\$700/sample
1st dimension run with sample prep and assay Available for customers that require only isoelectric focusing of whole cell lysates. Both lysis and BCA protein assay included as well as single 96-well deep well block.	\$375/sample
1st dimension run only without sample prep Available for customers that require isoelectric focusing of samples such as purified protein mixtures or spent supernate.	\$315/sample
Single fraction run through 2nd dimension only	\$30.00/run

Can be run to collect additional protein from previous 1 st dimension run or for lower complexity samples that do not require 1 st dimension in order to examine hydrophobicity profiles.	
Sample Prep & BCA Protein Assay	\$60.00/sample
BCA Protein Assay	\$50.00/sample
Real Time PCR and related services	
TaqMan Universal PCR Master Mix	\$2.50/reaction
TaqMan Fast Universal PCR Master Mix	\$1.00/reaction
SYBR Green Master Mix or POWER SYBR Green	\$1.00/reaction
Fast SYBR Green Master Mix	\$1.00/reaction
<i>*Services listed above reflect costs for facility personnel to add master mix to all wells and to cycle on ABI7500. Customer provides sample and primers only in plate.</i>	
Standard Mode cycling only Includes allelic discrimination end point scan if necessary.	\$3.50/plate
Fast Mode cycling only	\$1.50/plate
<i>*Services listed above valid only when customer provides samples in optical plate with master mix and all other components added.</i>	
Allelic discrimination end point scan <i>*For plates that have been set up and cycled by customer.</i>	\$0.50/plate scanned
Array Services	
Promega Improm-II cDNA synthesis *Synthesis using customer supplied, purified RNA sample. cDNA for use in Real Time with SYBR Green reagents or for Microarray experiments using any dye set.	\$4.50/reaction
cDNA cleanup	\$3.00/reaction
RNA cleanup Includes DNase treatment and further purification of RNA sample prior to cDNA synthesis.	\$6.00/reaction
Microarray Processing Includes labeling, hybridization and scanning. Customer provides microarray and purified RNA at appropriate concentration. <i>*All array types accepted (includes glass slides, Affymetrix, Combimatrix, etc).</i>	Contact us
RNA isolation for microarray	Contact us
Microarray scanning only (glass slides or Combimatrix arrays) Appointment should be made in advance. Scanners used are Perkin Elmer HT Scan Array (glass slides) or Combimatrix ElectraSense (detects fluorescent dyes and chemiluminescence on Combimatrix chip).	\$20.00/slide
Macroarray printing on nylon membranes Up to 8 plates of 96 samples can be spotted in duplicate per membrane using a 4x4 array format.	\$15.00/membrane
Bioinformatics Support Includes analysis of array data using GeneSpring software suite, batch analysis of DNA sequences (vector trimming, blast, assembly) large scale primer design, database design and custom script development.	\$75.00/hour

<i>*Additional services available. Please inquire.</i>	
BiaCore Services	
BiaCore Analysis Includes analysis of binding interactions of ligand and multiple analytes using a single chip. Customer purchases chip directly from company or from the facility. Buffers, tubes and other consumables necessary for experiment are included in cost.	\$40.00/hour
BiaCore Consultation This service is available if additional experimental design by the facility is necessary or if consultation prior to experiment is required. Experienced BiaCore customers (or return customers) may not require this service.	\$75.00/hour