

OCEAN RIDGE BIOSCIENCES

SPRING 2010 -PRICE LIST

Gene Expression Profiling Services—Microarray

To determine total cost for your experiment add the *Standard Service Charge (Table I)* to the cost of your desired array (**Table II**) and multiply the total by number of samples or arrays (2-color) in your experiment, then add charges for selected analyses.

Standard Service Charge covers RNA sample QC, labeling, hybridization, basic data processing, and quality control reporting.

For statistical analysis, select from the available Bioinformatic Modules listed in **Table III**.

Table I. Gene Expression Microarray Standard Service Charges
Fees are listed as price per sample or price/array (2-color service)

Number of Samples or Arrays (2-color)	1-Color Assay	2-Color Assay
6-11	\$399	\$499
12-23	\$325	\$425
24-47	\$295	\$390
48-95	\$275	\$365

Prices are given as per Sample, Add \$55 per sample for Gene ST or Exon ST

Table II - Available Microarrays

Available Microarrays	Description	Price per Array
Mouse Exonic Evidence—Based Oligonucleotide (MEEBO)	38.5 K 70-mer spotted oligonucleotide microarray. Contains 35,078 Mouse-exon-centric probes. Best coverage of mouse genome, and best sensitivity with ORB optimized process. Manufacturer provided 100% quality control verification.	\$110
Human Exonic Evidence—Based Oligonucleotide (HEEBO)	48.5 K 70-mer spotted oligonucleotide microarray. Contains 42,151 Human-exon-centric probes, including 8,441 probes targeting well-annotated alternatively spliced exons. ORB optimized processing, and 100% quality control verification.	\$125
Microarray Inc MI-Rat	39K 70-mer spotted oligonucleotide microarray. Contains 34,585 unique rat probes for Ensembl transcripts. ORB optimized processing, and 100% quality control verification.	\$110
Codelink Gene Expression Bioarrays	Human 45K, Mouse 34K, and Rat 29K 30-mer Oligonucleotide Microarrays. Proprietary 3-D Aqueous Gel Matrix for Improved probe accessibility.	\$130
Agilent Whole Genome - 44K	44K feature 60-mer oligonucleotide microarrays fabricated by in situ synthesis. Versions Available for Human, Mouse, Rat, Chicken, and more.	\$245
Affymetrix 3' Gene Expression Analysis	Industry standard 25-mer in situ synthesized microarrays, with 22 probes per probe set and up to 54,000 probe sets per microarray. Versions available for Human (U133 Plus 2.0), Mouse (430 2.0), Rat (230 2.0), and many other species.	\$475
Affymetrix Gene 1.0 ST	In situ synthesized 25-mer microarrays containing >750,000 probes divided in to ~28,000 gene-specific probe sets. Provides whole transcript coverage, so exon-level analysis is possible. Available for Human, Mouse, and Rat.	\$250
Affymetrix Exon 1.0 ST	In situ synthesized ultra-high density microarrays with >4,000,000 25-mer probes per array, grouped as 4 probes per exon for comprehensive coverage of gene expression at the exon level. Available for Human, Mouse, and Rat.	\$475

Table III - Data Analysis Services

Bioinformatic Service Modules	Description	Price per Study
Standard Data Analysis	Normalization, fold-change calculations, analysis of variance (ANOVA), hierarchical clustering, principal component analysis (3 or more treatment groups), and power point summary.	\$595
Basic Pathway Analysis	Examine over-representation of differentially expressed genes based on up to 4 fold-change criteria in KEGG and Biocarta functional pathways. Excel Tables.	\$395
Extended Pathway Analysis	Examine over-representation of differentially expressed genes based on up to 8 fold-change criteria in KEGG, Biocarta, and GO functional groups using two different software applications. Excel and power point summaries included.	\$895
Other Custom Analyses	Please Inquire	\$85/hour

OCEAN RIDGE BIOSCIENCES

SPRING 2010 -PRICE LIST

ORB's Signature Microarray-Based MicroRNA Profiling Service

MicroRNA Profiling at ORB is priced per sample as a complete package which includes the **ORB Version 5.0 MicroRNA Microarray**, RNA sample quality testing, the option to replace any defective samples, labeling, hybridization, data QC report, data processing, statistical analysis, and full results package.

ORB Version 5.0 MicroRNA Microarray provides complete coverage of Sanger mirBASE, Release 14 for three major species, including coverage of 902 Human, 707 Mouse, and 388 Rat mature and minor-form(*) microRNAs. The array is triplicate spotted, optimized for maximal sensitivity, and contains numerous QC features.

MicroRNA Profiling Complete Package	
Number of Samples	Per Sample Charge
6-11	\$430
12-23	\$385
24-47	\$350
48-95	\$315
Prices are given as per Sample	

Real-Time PCR Analysis Services

Calculate total cost using the following guide:

SABiosciences Pathway: Multiply number of samples by sum of cost for RNA QC + DNase Digestion + Random-primed cDNA Synthesis + SA Biosciences Pathway PCR Array charge.

ABI Taqman Gene Expression: Determine sample prep charge by multiplying number of samples by sum of cost for RNA QC + DNase Digestion + Random-primed cDNA Synthesis. Add cost of assay by multiplying total number of triplicate data points (genes x samples) by Taqman Gene Expression assay charge. Finally, add cost of ABI Taqman Gene Expression Assays (Primer/Probe sets, \$190 for up to 60 samples for each probe set).

ABI Taqman MicroRNA: Determine sample prep charge by multiplying number of samples by sum of cost for RNA QC + DNase Digestion. Add cost of assay by multiplying total number of triplicate data points (genes x samples) by sum of MicroRNA-Specific cDNA Synthesis and Taqman MicroRNA Assay charges. Finally, add cost of ABI MicroRNA Assays (Primer/Probe Sets, \$190 for up to 45 samples for each probe set).

Sample Preparation for Real-Time PCR Per Sample Charges

Number of Samples	RNA Quality Control Testing & Report	DNase Digestion & Re-purification	Random-primed cDNA Synthesis
6-11	\$28	\$39	\$38
12-23	\$16	\$23	\$22
24-47	\$12	\$22	\$15
48-95	\$9.50	\$20	\$11

1. **ORB runs positive control RNA and negative control water wells in your Taqman experiments at no extra charge**
2. **Complete analysis included with your experiment at no extra charge.**

SABiosciences Pathway PCR Array Per Sample Charges	
Number of Samples	Price per Sample (includes array)
6-11	\$494
12-23	\$473
24-47	\$452
48-95	\$425

ABI Taqman Real-Time PCR Gene Expression Assays Per Triplicate Data Point Charges	
Number of Triplicate Data Points	Taqman Gene Expression Assay
100-199	\$15
200-499	\$14
500-999	\$13
1000-4999	\$12

ABI Taqman Real-Time PCR MicroRNA Assays Per Triplicate Data Point Charges		
Number of Triplicate Data Points	MicroRNA-Specific cDNA Synthesis	Taqman MicroRNA Assay
100-199	\$9	\$18
200-499	\$8	\$16
500-999	\$7	\$14.50
1000-4999	\$6	\$13

Please Inquire about other quantities or real-time PCR assays (e.g. genotyping).

OCEAN RIDGE BIOSCIENCES

SPRING 2010 -PRICE LIST

Supplementary Services for RNA Analysis

Sample Preparation & Amplification Per Sample Charges								
Number of Samples	RNA Isolation Tissue	RNA Isolation Cells	RNA Isolation Biofluids	RNA* Quality Control Testing & Report	DNase ⁺⁺ Digestion & Re-purification	Low Input RNA Amplification (mRNA)	Low Input RNA Amplification (mRNA ST Chip)	Low Input RNA Amplification (microRNA)
6-11	\$58	\$32	\$110	\$28	\$39	\$100	\$205	\$110
12-23	\$44	\$22	\$100	\$16	\$23	\$90	\$195	\$100
24-47	\$40	\$20	\$90	\$12	\$22	\$80	\$180	\$90
48-95	\$36	\$18	\$80	\$9.50	\$20	\$70	\$165	\$80
Prices are given as per Sample. * Included with gene expression and microRNA service. ⁺⁺ Included with microRNA service.								

Luminex-Based Multiplex Protein Profiling Services

Stock Multiplex Cytokine Assays			
Number of Samples	10-Plex Rat, Mouse or Human Cytokine Assays	25-Plex Human Cytokine Assays	8-Plex Human MMP Assays
20-34	\$145	\$225	\$129
35+	\$95	\$149	\$85
Prices are given as per Sample			

R&D Systems Disease-Area Multiplex Assays			
Number of Samples	10-Plex Human Obesity Panel	11-Plex Human Angiogenesis Panel	4-Plex Human Cell Adhesion Panel
20-34	\$145	\$151	\$89
35+	\$95	\$99	\$65
Prices are given as per Sample			

Current Specials (Expiration Date: 04/30/2010)		
Service	Minimum Sample Quantity	Price per Sample
MicroRNA Profiling	12	\$355
One-Color Gene Expression	12	\$295
10-Plex Cytokine	35	\$78

Custom Multiplex Protein Profiling Assays		
Number of Analytes	Cost per Sample (20 sample minimum)	Cost per Sample (35 sample minimum)
1-Plex	\$50	\$30
2-Plex	\$65	\$50
3-Plex	\$79	\$60
4-Plex	\$89	\$65
5-Plex	\$99	\$70
6-Plex	\$109	\$75
7-Plex	\$119	\$80
8-Plex	\$129	\$85
9-Plex	\$139	\$90
10-Plex	\$145	\$95
11-Plex	\$151	\$99
12-Plex	\$157	\$103
13-Plex	\$163	\$107
14-Plex	\$169	\$111
15-Plex	\$175	\$115
16-Plex	\$181	\$119
17-Plex	\$187	\$123
18-Plex	\$193	\$127
19-Plex	\$199	\$131
20-Plex	\$205	\$135
21-Plex	\$209	\$138
22-Plex	\$213	\$141
23-Plex	\$217	\$144
24-Plex	\$221	\$147
25-Plex	\$225	\$150
Prices are given as per Sample		