

# OCEAN RIDGE BIOSCIENCES

## WINTER 2011 - 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
<b>6-11</b>	\$399	\$499
<b>12-23</b>	\$335	\$430
<b>24-47</b>	\$305	\$395
<b>48-95</b>	\$285	\$370
Prices are given as per Sample, Add \$50 per sample for Gene ST or Exon ST		

**Table II - Available Microarrays**

Available Microarrays	Description	Price per Array
<b>Mouse Exonic Evidence—Based Oligonucleotide (MEEBO)</b>	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
<b>Human Exonic Evidence—Based Oligonucleotide (HEEBO)</b>	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
<b>Microarray Inc MI-Rat</b>	39K 70-mer spotted oligonucleotide microarray. Contains 34,585 unique rat probes for Ensembl transcripts. ORB optimized processing, and 100% quality control verification.	\$110
<b>Codelink Gene Expression Bioarrays</b>	Human 45K, Mouse 34K, and Rat 29K 30-mer Oligonucleotide Microarrays. Proprietary 3-D Aqueous Gel Matrix for Improved probe accessibility.	\$130
<b>Agilent Whole Genome - 44K</b>	44K feature 60-mer oligonucleotide microarrays fabricated by in situ synthesis. Versions Available for Human, Mouse, Rat, Chicken, and more.	\$245
<b>Affymetrix 3' Gene Expression</b>	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
<b>Affymetrix Gene 1.0 ST</b>	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
<b>Affymetrix Exon 1.0 ST</b>	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 Services	Description	Price per Study
<b>Statistical Analysis</b>	Normalization, fold-change calculations, analysis of variance (ANOVA), hierarchical clustering, principal component analysis (3 or more treatment groups), and power point summary.	\$595*
<b>Pathway Analysis</b>	Examine over-representation of differentially expressed genes based on up to 4 fold-change criteria using four pathway databases including GO, KEGG, Pathway Commons and Wiki-Pathway. Significant pathways for each criteria X database are listed in Excel results tables with hyperlinks to color-coded pathway diagrams for KEGG and Wiki Pathways.	\$495
<b>Other Custom Analyses</b>	Please Inquire	\$85/hour

\*\$495 for Affymetrix Statistical Analysis

<http://oceanridgebio.com>

[array@oceanridgebio.com](mailto:array@oceanridgebio.com)

Office: 561-427-7845

Cell: 561-427-5548

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### ORB's Signature Microarray-Based MicroRNA Profiling Service

MicroRNA Profiling at ORB is priced per sample as a complete package which includes the **ORB MirBASE Version 16 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 MirBASE Version 16 MicroRNA Microarray** provides complete coverage of mirBASE Release 16 for three major species, including coverage of 1222 Human, 1025 Mouse, and 680 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 (Cellular RNA)	Per Sample (Biofluid RNA)
6-11	\$447	\$455
12-23	\$402	\$410
24-47	\$357	\$365
48-95	\$327	\$335

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	\$32	\$56	\$60
12-23	\$22	\$39	\$39
24-47	\$15	\$29	\$25
48-95	\$11.25	\$27	\$17

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	\$16
200-499	\$15
500-999	\$14
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).

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### 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 <sup>++</sup> Digestion & Re-purification	Low Input RNA Amplification (mRNA)	Low Input RNA Amplification (mRNA ST Chip)	Low Input RNA Amplification (microRNA)
<b>6-11</b>	\$58	\$32	\$110	\$32	\$56	\$100	\$205	\$110
<b>12-23</b>	\$44	\$22	\$100	\$22	\$39	\$90	\$195	\$100
<b>24-47</b>	\$40	\$20	\$90	\$15	\$29	\$80	\$180	\$90
<b>48-95</b>	\$36	\$18	\$80	\$11.25	\$27	\$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
<b>20-34</b>	\$145	\$225	\$129
<b>35+</b>	\$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
<b>20-34</b>	\$145	\$151	\$89
<b>35+</b>	\$95	\$99	\$65
Prices are given as per Sample			

Current Specials (Expiration Date: 12/31/2011)		
Service	Minimum Sample Quantity	Price per Sample
MicroRNA Profiling	12	\$355
One-Color Gene Expression (excludes Gene or Exon ST)	12	\$299
Affy Gene ST Processing	6	\$360
10-Plex Stock Cytokine	35	\$95

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	\$66
5-Plex	\$99	\$72
6-Plex	\$109	\$78
7-Plex	\$119	\$84
8-Plex	\$129	\$90
9-Plex	\$139	\$96
10-Plex	\$149	\$102
11-Plex	\$158	\$107
12-Plex	\$167	\$112
13-Plex	\$175	\$117
14-Plex	\$183	\$122
15-Plex	\$191	\$127
16-Plex	\$198	\$132
17-Plex	\$205	\$137
18-Plex	\$212	\$142
19-Plex	\$219	\$147
20-Plex	\$226	\$152
21-Plex	\$232	\$156
22-Plex	\$238	\$160
23-Plex	\$243	\$164
24-Plex	\$248	\$168
25-Plex	\$254	\$172
Prices are given as per Sample		

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