

## BEA Service Fees (updated January 2012)

- BEA offers microarray services for the Affymetrix, Agilent and Illumina platforms. Service fees listed below generally include all reagents and labor costs, if not indicated. Affymetrix cartridge arrays are generally not included in the price and will be billed separately. All prices include the INDI (Indirect costs) Surcharge at KI.
- Observe that prices often apply to a fix number of samples and that orders sometimes only can be made in multiples of that number.

### Affymetrix

- Affymetrix provide two types of expression arrays: 3' (IVT) and (WT) whole transcript arrays.
- Affymetrix expression arrays can in addition be performed in two different formats: Cartridge format for individual hybridizations and the Genetitan plate format for hybridization of 16/24/96 samples in parallel.

<b>Affymetrix Expression 3' IVT Assay</b>		
<b>GeneTitan IVT (mouse, human, rat)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
16/24/96 samples format. Faster processing for fixed number of samples.		
<16 samples	4400	Yes
16 or 24 samples = full plate	4200	Yes
> 48 samples	4000	Yes
<b>GeneTitan 3' IVT Express U219</b>	<b>Price / sample</b>	<b>Arrays Included</b>
<16 samples	3400	Yes
16 or 24 samples = full plate	3200	Yes
> 48 samples	3000	Yes
<b>3' IVT Express</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	2300	No
> 12 samples	2200	No
> 48 samples	1900	No
<b>NuGEN protocol (small samples)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	3300	No
<b>Prokaryotic (E. Coli) Protocol</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	2600	No
<b>Affymetrix Whole Target (WT) Gene &amp; Exon 1.0 ST Assay</b>		
<b>GeneTitan Gene ST 1.1 (mouse, human, rat)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
16/24/96 samples format. Faster processing for fixed number of samples.		
<16 samples	3600	Yes
16 or 24 samples = full plate	3400	Yes
> 48 samples	3200	Yes
<b>Ambion WT Express for Gene and Exon 1.0 ST</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	2800	No
> 12 samples	2600	No
> 48 samples	2400	No
<b>NuGEN protocol (small samples)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	3800	No
<b>miRNA Assay</b>		
<b>FlashTag™ Biotin</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	1600	No
> 12 samples	1400	No



**BEA core facility**  
 Dep. of Biosciences and Nutrition  
 KI Campus Huddinge  
[www.bea.ki.se](http://www.bea.ki.se)

<b>ChIP-on-chip Assay</b>		
<b>Fragmentation + labeling + hybridization</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	1500	No
> 12 samples	1300	No
<b>Affymetrix DNA Analysis Assays</b>		
<b>6.0 Assay</b>	<b>Price / sample</b>	<b>Arrays Included</b>
12 samples	2000	No
>48 samples	1800	No

## Illumina

Illumina Expression Analysis Assays		
Expression analysis HT-12 (Human 12 sample fixed format)	Price / sample	Arrays Included
12 samples = minimum order (12 sample format)	2200	Yes
>48 samples	2000	Yes
Expression analysis WG6 (Human, Mouse 6 sample fixed format)	Price / sample	Arrays Included
12 samples = minimum order (6 sample format)	2700	Yes
>48 samples	2500	Yes
Expression analysis Ref8 (Human, Mouse, Rat 8 sample fixed format)	Price / sample	Arrays Included
16 samples = minimum order (8 sample format)	2500	Yes
>48 samples	2300	Yes
Illumina Infinium DNA Analysis Assays		
Infinium 610-quad	Price / sample	Arrays Included
4, 8, 16 samples (different formats)	Please Inquire	Yes
>48 samples	Please Inquire	Yes
Infinium methylation 450K (12 sample format)	Price / sample	Arrays Included
12 samples = minimum order (12 sample format)	3700	Yes
>48 samples	3500	Yes

## Agilent

- Agilent arrays are sold in a wide variety of sample formats as described below. Some arrays are restricted with a minimum order. Prices include all reagents, arrays and analysis costs. Custom formats can be ordered without extra costs (e-array website).

Sureprint G3 60K (Human, Mouse, Custom 8 sample fixed format)	Price / sample	Arrays Included
8 samples (one-color, 1 slide)	3200	Yes
24 samples (one-color, 3 slides)	3000	Yes
Sureprint G3 Exon 4x180Kb (Human, Mouse, Custom 4 sample fixed format)	Price / sample	Arrays Included
4 samples (one-color, 1 slide)	3700	Yes
12 samples (one-color, 1 slide)	3500	Yes
Sureprint G3 Exon 2x400K (Human, Mouse, Custom 2 sample fixed format)	Price / sample	Arrays Included
2 samples (one-color, 1 slide)	5000	Yes
12 samples (one-color, 1 slide)	4800	Yes
Agilent miRNA assay (Human, Mouse, Custom 8 sample fixed format)	Price / sample	Arrays Included
8 samples (1 slide)	3500	Yes
24 samples (3 slides)	3300	Yes
Agilent Exon, Tiling, CHG and SNP arrays	Price / sample	Arrays Included
Different formats	Please Inquire	Yes

## Additional Services

Hybridization only		Price per sample
1-12 arrays		1000
> 12		600
Custom services		Price per sample
RNA isolation and purification from tissue		350
RNA isolation and purification from cells		250
Agilent Bioanalyzer RNA/DNA quality control – nano, pico, smallRNA, DNA assay		100
Scanning only (included in assays)		250
Other		Please Inquire
Real Time qPCR analysis		
96 well Taqman Assays		Price
Basic Cost		1000
Price/well		15
cDNA synthesis/sample		125
TaqMan Low Density Arrays (TLDA)		Price
Excluding TaqMan master mix/card		350
Including TaqMan master mix/card		700
cDNA synthesis/sample		125

## If there are any problems...

The vast majority of the samples going through the BEA Core Facility yield good results. However, while every care will be taken, the core facility cannot take any responsibility for lost samples and data.

## General Information May 2011

The Service Fees for a general microarray project include:

One hour of initial consultation per project (with each submission of samples and order form, a project is set up), quality control of RNA, probe labeling, hybridization, washing, probing and scanning of arrays. For gene expression profiling, it also includes initial basic data analysis. For further consultation or data analysis we charge per hour (see below). Prices are given for KI customers.

### Affymetrix Arrays, Protocols and Starting Material

Application	Array Type	Protocol	Starting Material
Gene Expression	3' IVT	<a href="#">3' IVT Express kit</a>	50-500 ng
	Prokaryotic	<a href="#">Prokaryotic Target Labeling Assay</a>	10 µg
	Gene ST	<a href="#">Whole Transcript Sense Target Labeling</a>	100-500 ng
	Exon ST	<a href="#">Whole Transcript Sense Target Labeling</a>	100-500 ng
	miRNA	<a href="#">Flashtag Biotin</a>	0.1-3ug
Gene & Exon ST	Gene & Exon ST	<a href="#">Ambion WT Express</a>	100-500 ng
Gene Regulation	Tiling	<a href="#">Fragmentation and labeling (dUTP or DNase)</a>	6-10 ug
DNA Analysis	500 K	<a href="#">Mapping 500K Assay</a>	250 ng/array
	5.0 & 6.0	<a href="#">Genome-Wide Human SNP Nsp/Sty Assay Kit 5.0/6.0</a>	500 ng

### Illumina Arrays, Protocols and Starting Material

Application	Array Type	Protocol	Starting Material
Gene Expression	Illumina (various)	<a href="#">Ambion Illumina Expression</a>	50-500 ng
DNA Analysis	Illumina (various)	<a href="#">Illumina Infinium</a>	500-1000ng
Methylation analysis	Illumina (various)	Bisulfite conversion, Illumina Infinium	500-1000ng

### Agilent Arrays, Protocols and Starting Material

Application	Array Type	Protocol	Starting Material
Gene Expression	Agilent (various)	<a href="#">Agilent Sureprint G3 Expression</a>	10-500 ng
DNA Analysis	Agilent(various)	<a href="#">Agilent Sureprint CGH and SNP</a>	500-1000ng
Methylation analysis	Agilent	<a href="#">Agilent Tiling DNA Methylation and ChIP-on-chip arrays</a>	500-1000ng

## Links:

Please contact the core facility if you have any questions. Below are some links to further information.

### **Array Prices:**

- Latest price list from Affymetrix [www.bea.ki.se/affymetrix/prices.pdf](http://www.bea.ki.se/affymetrix/prices.pdf)

### **Information about Array and Assays:**

- Array Information [www.affymetrix.com/](http://www.affymetrix.com/)  
[www.Illumina.com/](http://www.Illumina.com/)  
[www.Agilent.com/](http://www.Agilent.com/)
- Reagents and Assays [www.ambion.com/](http://www.ambion.com/)  
[www.nugeninc.com/](http://www.nugeninc.com/)  
[www.affymetrix.com/](http://www.affymetrix.com/)  
[www.Illumina.com/](http://www.Illumina.com/)  
[www.Agilent.com/](http://www.Agilent.com/)

### **Array Design and Annotations**

- NetAffx™ Analysis Center [www.affymetrix.com/products\\_services/index.affx#1\\_4](http://www.affymetrix.com/products_services/index.affx#1_4)

### **Expression Analysis: 3' IVT / Gene 1.0 ST / Exon 1.0 ST**

- *Gene 1.0 ST Array System for Human, Mouse and Rat* [www.affymetrix.com/support/technical/datasheets/gene\\_1\\_0\\_st\\_datasheet.pdf](http://www.affymetrix.com/support/technical/datasheets/gene_1_0_st_datasheet.pdf)
- *Whole-transcript Expression Analysis* [www.affymetrix.com/support/technical/appnotes/wt\\_appnote.pdf](http://www.affymetrix.com/support/technical/appnotes/wt_appnote.pdf)
- *NuGEN (special labeling)* <http://www.nugeninc.com/nugen/index.cfm>
- *Genisphere FlashTag™ Biotin* [http://www.genisphere.com/array\\_detection\\_flashtag\\_biotin.html](http://www.genisphere.com/array_detection_flashtag_biotin.html)