

## BEA Service Fees (updated October 2018)

- BEA offers services for the **Affymetrix, Agilent and Illumina** platforms. Service fees listed below generally include all reagents, labor and analysis costs, if not indicated.
- Prices can be subjected with changes without prior notice due to currency fluctuations.
- **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.
- Customers outside Swedish academia pay a 25% surcharge on indicated prices.

### Affymetrix

- Affymetrix provide two types of expression arrays: **3' (IVT) *in vitro* transcribed** and **(WT) whole transcript** arrays.
- Affymetrix expression arrays can be performed in two different formats: 1) **GCAS Cartridge format** for individual hybridizations and the 2) **Genetitan plate format** for hybridization of 16/24/96 samples in parallel.
- Affymetrix cartridge arrays are sometimes, when indicated, not included in the price and will be added to the bill separately. Please enquire for specific array prices.

<b>Affymetrix Whole Transcript (WT) Assay</b>		
<b>GCAS Cartridge format for Clariom D, HTA 2.0 (mouse, human, rat)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Individual samples in cartridge array format		
1-12 samples	4000	Yes
> 12 samples	3800	Yes
> 48 samples	3600	Yes
<b>GCAS Cartridge format for Clariom S, (mouse, human, rat)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Individual samples in cartridge array format		
1-12 samples	2600	Yes
> 12 samples	2500	Yes
> 48 samples	2400	Yes
<b>GeneTitan plate format Clariom S (mouse, human, rat)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
24/96 samples format. Faster processing for fixed number of samples.		
24 samples = full plate	2400	Yes
> 48 samples	2200	Yes
<b>GeneTitan plate format Gene ST 2.1(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 or 24 samples = full plate	3800	Yes
> 48 samples	3600	Yes
<b>Affymetrix Whole Transcript (WT) assay</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Processing of individual samples in cartridge or plate array format		
1-12 samples	1600	No
> 12 samples	1400	No
<b>Small and/or fragmented or degraded samples. Additional costs:</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Affymetrix Pico WT assay (Small sample)	500	NA
Nugen Ovation (Small sample )	600	NA
Affymetrix Sensation Plus (FFPE)	800	NA
<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 or 24 samples = full plate	4000	Yes
> 48 samples	3800	Yes

<b>Affymetrix Expression 3' IVT Assay</b>		
<b>Affymetrix Expression 3' IVT assay</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Processing of individual samples in cartridge or plate array format		
1-12 samples	1600	No
> 12 samples	1400	No
<b>miRNA Assay with Affymetrix FlashTag™ labeling</b>		
<b>Affymetrix GeneTitan plate format miRNA 4.1</b>	<b>Price / sample</b>	<b>Arrays Included</b>
16/24/96 samples format. Faster processing for fixed number of samples.		
<16 samples	2400	Yes
16 or 24 samples = full plate	2200	Yes
> 48 samples	2000	Yes
<b>Affymetrix miRNA cartridge arrays 2.0, 3.0, 4.0</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	4100	Yes
> 12 samples	3900	Yes
<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 SNP assay for cartridge arrays</b>	<b>Price / sample</b>	<b>Arrays Included</b>
12 samples	1800	No
>48 samples	1600	No
<b>Oncoscan FFPE assay, Cytoscan HD</b>	<b>Price / sample</b>	<b>Arrays Included</b>
12 samples	1800	No
>48 samples	1600	No

## ILLUMINA

- Illumina beadarrays are sold in different sample formats as described below. Some arrays are restricted with a minimum order. Prices include all reagents, arrays and analysis costs.
- BEA is offering sequencing services on the Illumina HiSeq 2000 platform. Services are complete and include sample QC, library preparation, sequencing and data analysis. Prices are dependent on the level of multiplexing and sequencing depth.
- Minimum number of samples, special formats and different conditions apply to sequencing services. Please enquire for more information.

<b>Illumina Infinium DNA Analysis Assays</b>		
<b>Infinium methylation EPIC 850K (8 sample fixed format)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Minimum order (8 sample format)		
	4400	Yes
>32 samples	4000	Yes
<b>Infinium methylation 450K (12 sample fixed format)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Minimum order (12 sample format)		
	2500	Yes
>48 samples	2300	Yes
<b>Infinium Human Omni5-4, Omni2-8, OmniExpressExome</b>	<b>Price / sample</b>	<b>Arrays Included</b>
4,8,16 samples (different formats)		
	Please enquire	Yes
>48 samples	Please enquire	Yes

<b>Illumina library preparation services</b>		
<b>Library Prep for Illumina sequencing (small&lt;12 samples&lt;large)</b>		<b>Price / sample</b>
Illumina TruSeq stranded / NEBNext Ultra mRNA Library Prep (RNA)	(small-large )	1300-1100
NEBNext DNA ultra II Library Prep (DNA and ChIPseq)	(small-large )	1300-1100
Rubicon Thruplex small sample ChIP-Seq Library Prep (DNA)	(small-large )	1600-1400
SMART-seq ultra low Single Cell and Pico cDNA synt (50% scale)	(small-large )	1200-1000
Illumina Nextera XT (DNA)	(small-large )	900-700
QIAseq FX Single Cell and Pico RNA Library	(small-large )	1300-1100
NEBNext Single Cell/Low Input RNA Library	(small-large )	1300-1100
Fragmentation, depletion and other requests		Please enquire
<b>Illumina sequencing services</b>		
<b>Illumina sequencing on Nextseq 550 Platform</b>		<b>Price / run</b>
75 cycles high output ~400Mreads (SR/PE) price per flowcell	(full flowcell)	18000
150 cycles high output ~400Mreads (SR/PE) price per flowcell	(full flowcell)	36000
300 cycles high output ~400Mreads (SR/PE) price per flowcell	(full flowcell)	56000
150 cycles mid output ~130Mreads (SR/PE) price per flowcell	(full flowcell)	14000
300 cycles mid output ~130Mreads (SR/PE) price per flowcell	(full flowcell)	20000
<b>Illumina sequencing on MiSeq Platform</b>		<b>Price / flowcell</b>
50 cycles v.2 ~15Mreads (SR/PE) price per lane/flowcell	(full flowcell)	11000
150 cycles v.2 ~15Mreads (SR/PE) price per lane/flowcell	(full flowcell)	13000
500 cycles v.2 ~15Mreads (SR/PE) price per lane/flowcell	(full flowcell)	15000
150 cycles v.3 ~25Mreads (SR/PE) price per lane/flowcell	(full flowcell)	12000
600 cycles v.3 ~25Mreads (SR/PE) price per lane/flowcell	(full flowcell)	19000
300 cycles v.3 nano ~0,5Mreads (SR/PE) price per lane/flowcell	(full flowcell)	4000
300 cycles v.3 micro ~4Mreads (SR/PE) price per lane/flowcell	(full flowcell)	6000

## 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).

<b>Sureprint G3 60K (Human, Mouse, Custom 8 sample fixed format)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
8 samples (one-color, 1 slide)	3400	Yes
24 samples (one-color, 3 slides)	3200	Yes
<b>Sureprint G3 Exon 4x180Kb (Human, Mouse, Custom 4 sample fixed format)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
4 samples (one-color, 1 slide)	3900	Yes
12 samples (one-color, 3 slides)	3700	Yes
<b>Sureprint G3 Exon 2x400K (Human, Mouse, Custom 2 sample fixed format)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
2 samples (one-color, 1 slide)	5400	Yes
6 samples (one-color, 3 slides)	5200	Yes
<b>Agilent miRNA assay (Human, Mouse, Custom 8 sample fixed format)</b>	<b>Price / sample</b>	<b>Arrays Included</b>
8 samples (1 slide)	3700	Yes
24 samples (3 slides)	3500	Yes
<b>Agilent Exon, Tiling, CHG and SNP arrays</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Different formats and types	Please enquire	Yes

### Additional Services

- BEA provides RNA and DNA quality control services with the Agilent Bioanalyzer 2100 and TapeStation 2200. We also provide services for RNA and DNA extraction from various tissues and cell samples.
- BEA has standardized qPCR services using the ABI 7900 platform. Validation and qPCR projects can also be customized to fulfill other demands. Apart from this we also have access to pyrosequencing and digital PCR platforms.
- Extraction services are limited to projects with downstream genomic analysis at BEA.

Hybridization only		Price per sample
1-12 arrays		800
> 12		600
Custom services		Price per sample
RNA isolation and purification from blood PAXgene or FFPE samples		450
RNA isolation and purification from tissue		350
RNA isolation and purification from cells		250
Extra cost for RNA isolation and purification with QIAzol or TRIzol		100
Agilent Bioanalyzer RNA/DNA quality control–nano, pico, smallRNA, DNA (min 10 samples)		100
AgilentTapeStation RNA/DNA quality control–RNA and DNA , Nano and Pico (min 2 samples)		75
Qubit RNA/DNA concentration measurement (min 10 samples)		10
Other		Please enquire
qPCR analysis		
96 well Taqman/SYBR Assays		Price
Consultation fee/ plate		500
Reagents/well		15
Reverse Transcription including DNase treatment/sample		150
Taqman Low Density Arrays (TLDA)		Price
Excluding reagents/card		500
Including reagents/card		900
Reverse Transcription including DNase treatment/sample		150

### 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.