

## BEA Service Fees (updated Feb 2021)

- BEA offers services for the **Affymetrix, Agilent, 10X Chromium, ABI 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.

## iLabs Core Facility management ordering

- From Jan 2021 all projects at BEA are demanded to be handled with the new cloud based core facility management system iLab where all customers must be approved and registered.
- Simply login to the KI ILab page with your KI ID or external SWAMID credentials.
- To order and initiate a project at BEA use the BEA orderform. BEA will register the project for approval in the iLabs system when samples are delivered.
- More info can be found on the BEA web page: <http://www.bea.ki.se/>

## Affymetrix

- Affymetrix provide two types of expression arrays: **(WT) whole transcript** arrays and **3' (IVT) in vitro transcribed** arrays.
- 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	4300	Yes
> 12 samples	4100	Yes
> 48 samples	3900	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	2900	Yes
> 12 samples	2700	Yes
> 48 samples	2600	Yes
<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
<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	1800	No
> 12 samples	1600	No
<b>miRNA Assay with Affymetrix FlashTag™ labeling</b>		
<b>Affymetrix miRNA cartridge arrays 2.0, 3.0, 4.0</b>	<b>Price / sample</b>	<b>Arrays Included</b>
1-12 samples	4400	Yes
> 12 samples	4200	Yes
<b>Affymetrix DNA Analysis Assays</b>		
<b>6.0 SNP assay for cartridge arrays</b>	<b>Price / sample</b>	<b>Arrays Included</b>
Cartridge formats available	Please enquire	Yes/No

## ILLUMINA

- BEA is offering sequencing services on the Illumina Nextseq and Miseq platforms. 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.
- 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.

### ILLUMINA library preparation services

Library Prep for Illumina sequencing (small<12 samples<large)		Price / sample
Illumina TruSeq stranded / NEBNext Ultra mRNA Library Prep (RNA)	(small-large )	1600-1400
NEBNext DNA ultra II Library Prep (DNA and ChIPseq)	(small-large )	1600-1400
Takara SMART-seq ultra low Single Cell and Pico cDNA synt	(small-large )	1300-1100
Illumina Nextera XT/Flex (DNA)	(small-large )	1200-1000
Takara SMART-seq ultra low cDNA 50% scale/Nextera XT	(small-large )	1800-1600
Takara ThruPLEX small sample ChIP-Seq Library Prep (DNA)	(small-large )	1500-1300
Illumina Nextera Exome (24rxn)		2400
RRBS DNA Methylation Profiling		1600-1400
Fragmentation, depletion and other requests		Please enquire

### ILLUMINA sequencing services

ILLUMINA sequencing on Nextseq 2000 Platform		Price / run
P2 v3 100 (Total 138 cycles) ~400Mreads (SR/PE) price per flowcell	(full flowcell)	20000
P3 v3 50 (Total 88 cycles) ~1000Mreads (SR/PE) price per flowcell	(full flowcell)	29000
P3 v3 100 (Total 138 cycles) ~1000Mreads (SR/PE) price per flowcell	(full flowcell)	40000
ILLUMINA sequencing on Nextseq 550 Platform		Price / run
75 cycles high output ~400Mreads (SR/PE) price per flowcell	(full flowcell)	22000
150 cycles high output ~400Mreads (SR/PE) price per flowcell	(full flowcell)	42000
150 cycles mid output ~130Mreads (SR/PE) price per flowcell	(full flowcell)	16000
ILLUMINA sequencing on MiSeq Platform		Price / flowcell
300 cycles v.2 nano ~1Mreads (SR/PE) price per lane/flowcell	(full flowcell)	5000
300 cycles v.2 micro ~4Mreads (SR/PE) price per lane/flowcell	(full flowcell)	7000
50 cycles v.2 ~15Mreads (SR/PE) price per lane/flowcell	(full flowcell)	12000
500 cycles v.2 ~15Mreads (SR/PE) price per lane/flowcell	(full flowcell)	17000
150 cycles v.3 ~25Mreads (SR/PE) price per lane/flowcell	(full flowcell)	14000
600 cycles v.3 ~25Mreads (SR/PE) price per lane/flowcell	(full flowcell)	23000

### ILLUMINA Infinium DNA Analysis Assays

Infinium methylation EPIC 850K (8 sample fixed format)	Price / sample	Arrays Included
Minimum order (16 samples)	4000	Yes
>32 samples	3800	Yes
>96 samples	3600	Yes
Infinium methylation Mouse 265K (12 sample fixed format)	Price / sample	Arrays Included
Minimum order (24 samples)	3400	Yes
>48 samples	3200	Yes
Infinium Human Omni5-4, Omni2-8, OmniExpressExome	Price / sample	Arrays Included
4,8,16 samples (different formats)	Please enquire	Yes

## 10X Chromium

- BEA core facility offers service with the 10X Genomics Chromium platform allowing solutions for single cell genomics, characterization and gene expression profiling.
- The Chromium single cell assays provide solutions for cell characterization and gene expression profiling of hundreds to of thousands of cells.
- BEA will help users to design experiments, provide reagents and service from the initial cell separation step. Bioinformatic service with the Cell Ranger software is included.
- Service includes different options and versions of GEM kits and library preparation methods for gene expression and cell profiling.

10X Chromium Next GEM Single Cell 3' GEM, Library & Gel Bead Kit	Price / sample	Arrays Included
Separation and library construction (sequencing not included)	25000	1rxn
Separation and library construction (sequencing not included)	90000	4rxn
Cell profiling and additional library preparation	2000	1rxn

## 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)	Please enquire	Yes
24 samples (one-color, 3 slides)	Please enquire	Yes
Agilent miRNA assay (Human, Mouse, Custom 8 sample fixed format)	Price / sample	Arrays Included
8 samples (1 slide)	Please enquire	Yes
24 samples (3 slides)	Please enquire	Yes
Agilent Exon, Tiling, CHG and SNP arrays	Price / sample	Arrays Included
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
Hybridisation, washing, staining and scanning of individual arrays	800
Custom services	Price per sample
RNA isolation and purification from blood PAXgene or FFPE samples	500
RNA/DNA isolation and purification from tissue	400
RNA/DNA isolation and purification from cells	300
Extra cost for RNA/DNA 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– D1000, HS1000, HS5000 (min 2 samples)	100
Qubit RNA/DNA concentration measurement (min 10 samples)	10

<b>qPCR analysis</b>	
<b>96 well Taqman/SYBR Assays</b>	<b>Price</b>
Running fee/ plate	500
Reagents/well	15
Reverse Transcription including DNase treatment/sample	150
<b>Taqman Low Density Arrays (TLDA)</b>	<b>Price</b>
Excluding reagents/card	600
Including reagents/card	1100
Reverse Transcription including DNase treatment/sample	200

<b>Bioinformatic services</b>	
Basic bioinformatics are always included in the analysis cost and free of charge.	
Bioinformatic services handling external data not analysed at BEA. Charged by the hour.	800

## FAQ

- Sequencing data obtained from samples at BEA may only be used for academic and scientific purposes.
- Users are responsible for data analysis and interpretation. 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 any particular result, lost samples and data.
- BEA disclaims any liability regarding quality, reliability and reproducibility. Users are required to contribute financially to project costs and take full responsibility for selected methods, processing procedures and the selected instrument and mode of sequencing.
- In case of publication contributions have to be acknowledged to BEA.
- BEA provides backup of generated data and generated samples for >12 months. After this period BEA takes no responsibility. Customers are strongly advised to collect data and leftover samples before this period.