E-mail address for contacting NGI was updated, a new table for sequencing prices replaces the one in the previous version, new examples were made and all prices were updated.

Price examples for NGI Stockholm

1. General pricing information

The examples in this document are **approximate prices for Q3 2019** and are shown here to provide a rough estimate of how much your project will cost. For more detailed information or to **request a binding price estimate please contact support@ngisweden.se**. **The actual prices may deviate from the estimates stated in this document.**

Our **"best practice" bioinformatics** package which is included in some of our services (e.g. RNA-seq, resequencing and de novo assembly) is free of charge. We also do not charge for project planning or follow-up **meetings** with NGI Stockholm representative(s).

NGI provides very generous pricing for Swedish academia. Instrument depreciations, part of instrument service, rent and labour costs are sponsored by the Swedish Research Council (Vetenskapsrådet) and SciLifeLab. Academic institutions outside of Sweden and users from industry pay the full cost (twice as much as prices indicated in this document; please contact us for a price quote or for specific details about your project). **The price estimates in this document are valid only for Swedish academia**.

Other methods (e.g. non-validated library preparation types) are available. Please contact NGI for further information.

Please remember to acknowledge services provided by NGI in all publications and scientific dissemination; this is critical for the future funding of the facility.

2. Sequencing services

Instrument and flow cell	**Read-length** (total number of cycles)	**Lanes**	**Min. yield - Typical yield** (per flow cell, M clusters)	**Yield in Gbp per lane**	**Price per lane**
NovaSeq **SPrime**	2x50 bp (100)	2	650 - 800	40	**17 125 sek**
NovaSeq **SPrime**	2x150 bp (300)	2	650 - 800	120	**26 138 sek**
NovaSeq **SPrime**	2x250 bp (500)	2	650	200	**35 433 sek**
NovaSeq **S1**	2x50 bp (100)	2	1300 - 1800	80	**27 546 sek**
NovaSeq **S1**	2x100 bp (200)	2	1300 - 1800	160	**35 433 sek**
NovaSeq **S1**	2x150 bp (300)	2	1300 - 1800	240	**41 630 sek**
NovaSeq **S2**	2x50 bp (100)	2	3300 - 4200	205	**57 967 sek**

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NovaSeq **S2**	2x100 bp (200)	2	3300 - 4200	410	**77 683 sek**
NovaSeq **S2**	2x150 bp (300)	2	3300 - 4200	615	**90 358 sek**
NovaSeq **S4**	2x100 bp (200)	4	8000 - 12000	500	**53 535 se**
NovaSeq **S4**	2x150 bp (300)	4	8000 - 12000	750	**61 286 sek ***
MiSeq **v2**	1x50 bp (50)	1	≅ 10	0.5	**9 637 sek**
MiSeq **v2**	2x150 bp (300)	1	≅ 10	3	**12 357 sek**
MiSeq **v2**	2x250 bp (500)	1	≅ 10	5	**13 867 sek**
MiSeq **v3**	2x75 bp (150)	1	≅ 18	2.7	**10 687 sek**
MiSeq **v3**	2x300 bp (600)	1	≅ 18	10.8	**18 096 sek**
MiSeq **Nano** v2	2x150 bp (300)	1	≅ 1	0.3	**3 448 sek**

Please note that for certain flow cells and set ups a longer queue time can be expected; please contact us for a discussion.

* For libraries prepared by NGI Stockholm (certain methods), you can order parts of a lane (1/4; 1/2 or 3/4 of a S4 lane, 2x150 bp). Please contact us for a discussion about your specific project.

3. Library preparation services

3.1 Library preparation for RNA-seq (prices per sample)

- Illumina TruSeq strand-specific RNA library prep with poly-A selection): **1 239 SEK**
- Illumina TruSeq strand-specific RNA library prep with RiboZero Gold (ribosomal depletion): **1 900 SEK**
- Illumina TruSeq small RNA library prep: **1 787 SEK**

Please note that the RiboZero library preparation method is only available for certain species.

3.2 Library preparation for DNA sequencing

- Illumina TruSeq DNA PCR-free library prep: **1 019 SEK**
- SMARTer ThruPLEX DNA-Seq library prep: **1 184 SEK**
- 10X Genomics Chromium Genome kit: **3 339 SEK**

4. Examples

Example set up for a human transcriptome:

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Price examples for NGI Stockholm

Total cost for library preparation and sequencing of **24 RNA samples** prepared by NGI using the Illumina TruSeq RNA poly-A selection kit and sequenced on 1 NovaSeq **S1 lane (2x50bp)** to reach **25M read-pairs** per sample (on average) is: **57 261 SEK** (2386 SEK per sample).

Total cost for **96 RNA samples** prepared by NGI using the Illumina TruSeq RNA poly-A selection kit and sequenced on 1 NovaSeq **S4 lane (2x150bp)** to reach **25M read-pairs** per sample, (on average) is: **180 147 SEK** (1877 SEK per sample).

In both cases, price includes best-practice bioinformatics analysis (for certain species).

Example set up whole-genome re-sequencing (human genome):

Total cost for library preparation and sequencing of **6 DNA samples** prepared by NGI using the Illumina TruSeq DNA PCR-free library prep kit and sequencing on 1 lane NovaSeq **S4 (2x150 bp)** to approximately **30x coverage** is **67 399 SEK**. Price includes best-practice bioinformatics analysis.

Example set up for *de novo* sequencing of a 1,5 Gb non-human genome:

Total cost for library preparation and sequencing of **4 DNA samples** is **50 110 SEK**. The price includes library preparation with the 10X Genomics Chromium Genome kit and sequencing on **half a lane on the NovaSeq S4 (2x150 bp**) to approximately **60x coverage**. Price includes a draft assembly using the 10X Chromium Supernova software.