

BSF Services and Prices ¹ (this list shows net prices without tax (VAT), which will be added in the invoice where it is required by law)		Price: Academic Research ²
All-inclusive sequencing ³	All-inclusive RNA-seq (including quality control, library prep, sequencing, and initial bioinformatics)	per unit
	Stranded mRNA-seq (poly-A enrichment or low-input), 24 samples per NovaSeq SP 1/2 flow cell 2x50bp (paired-end)	1 sample € 235
	Stranded mRNA-seq (poly-A enrichment or low-input), 12 samples per NovaSeq SP 1/2 flow cell 2x50bp (paired-end)	1 sample € 327
	Stranded mRNA-seq (poly-A enrichment or low-input), 6 samples per NovaSeq SP 1/2 flow cell 2x50bp (paired-end)	1 sample € 511
	Stranded total RNA-seq (Ribo-Zero depletion), 24 samples per NovaSeq SP 1/2 flow cell 2x50bp (paired-end)	1 sample € 274
	Stranded total RNA-seq (Ribo-Zero depletion), 12 samples per NovaSeq SP 1/2 flow cell 2x50bp (paired-end)	1 sample € 366
	Stranded mRNA-seq (poly-A enrichment, low-input, or Ribo-Zero) with custom sequencing depth	1 sample on request
	Transcription fingerprinting 3' RNA-seq protocol ("QuantSeq"), 96 samples per NovaSeq SP flow cell 1x100bp (single-end)	96 samples € 6 409
	All-inclusive single-cell RNA sequencing (including quality control, library prep, sequencing, and initial bioinformatics)	per unit
	10x Genomics, 3' or 5' single-cell RNA-seq, 4 samples per NovaSeq SP 1/2 flow cell 100 cycles	1 sample € 2 915
	10x Genomics, 3' or 5' single-cell RNA-seq, 2 samples per NovaSeq SP 1/2 flow cell 100 cycles	1 sample € 3 393
	Single-cell immune repertoire profiling (BCR or TCR sequencing), as an add-on to 10x Genomics 5' single-cell RNA-seq	1 sample € 290
	Cell hashing for single-cell RNA-seq, as an add-on to 10x Genomics 3' or 5' single-cell RNA-seq	1 multiplexed sample € 215
	10x Genomics, Flex single-cell RNA-seq with cell fixation, 1-plex, 4 samples per NovaSeq SP 1/2 flow cell 100 cycles	1 sample € 3 066
	10x Genomics, Flex single-cell RNA-seq with cell fixation, 4-plex, 1 sample per NovaSeq SP 1/2 flow cell 100 cycles	4 multiplexed samples € 8 133
	10x Genomics, Flex single-cell RNA-seq with cell fixation, 16-plex, 1 sample per NovaSeq S1 flow cell 100 cycles	16 multiplexed samples € 15 290
	All-inclusive human exome sequencing (including library preparation, sequencing, and initial bioinformatics)	per unit
	Comprehensive human exome (37 Mb), 16 samples per NovaSeq SP 1/2 flow cell 2x100bp (paired-end)	1 sample € 429
	Comprehensive human exome (37 Mb), 8 samples per NovaSeq SP 1/2 flow cell 2x100bp (paired-end)	1 sample € 632
	Comprehensive human exome (37 Mb), FAST-TRACK WORKFLOW (target: 5 working days, requires prior approval, 1 sample)	1 sample on request
Comprehensive human exome (37 Mb), COHORT SEQUENCING, 96 samples per 2x100bp NovaSeq S2 6000 (paired-end)	1 sample € 427	
Comprehensive human exome (37 Mb), with custom sequencing depth	1 sample on request	
All-inclusive whole-genome sequencing (including library preparation, sequencing and initial bioinformatics)	per unit	
Whole genome sequencing (human germline genome), 30 samples per 2x150bp NovaSeq S4 (paired-end)	1 sample € 817	
Whole genome sequencing (human or mouse) with custom sequencing depth	1 sample on request	
All-inclusive epigenome sequencing (including library preparation, sequencing, and initial bioinformatics)	per unit	
Reduced representation DNA methylation sequencing (RRBS or EM-seq, moderate coverage)	1 sample € 400	
Reduced representation enzymatic methyl sequencing (RRBS or EM-seq, high coverage)	1 sample € 650	
Whole genome DNA methylation sequencing (WGBS or EM-seq), 30 samples per 2x100bp NovaSeq S4 (paired-end)	1 sample € 750	
High-throughput chromatin profiling for open chromatin mapping	1 sample € 300	
All-inclusive single-cell epigenome sequencing (including quality control, library prep, sequencing, and initial bioinformatics)	per unit	
10x Genomics, single-cell ATAC-seq, 4 samples per NovaSeq SP flow cell 100 cycles	1 sample € 3 222	
10x Genomics, single-cell ATAC-seq, 3 samples per NovaSeq SP flow cell 100 cycles	1 sample € 3 491	
10x Genomics, single-cell multiome (ATAC-seq & RNA-seq), 4 samples per 2 NovaSeq SP flow cells 100 cycles	1 sample € 6 006	
10x Genomics, single-cell multiome (ATAC-seq & RNA-seq), 3 samples per 2 NovaSeq SP flow cells 100 cycles	1 sample € 6 520	
Next-generation sequencing	NovaSeq 6000 sequencing (high-throughput sequencing of client-provided libraries)	million reads (conservative estimate)
	NovaSeq SP flow cell 100 cycles (standard 2x50 paired-end)	650 € 2 950
	NovaSeq SP 1/2 flow cell 100 cycles (standard 2x50 paired-end)	325 € 1 650
	NovaSeq SP flow cell 200 cycles (standard 2x100 paired-end)	650 € 3 700
	NovaSeq SP 1/2 flow cell 200 cycles (standard 2x100 paired-end)	325 € 2 000
	NovaSeq SP flow cell 300 cycles (standard 2x150 paired-end)	650 € 4 250
	NovaSeq SP 1/2 flow cell 300 cycles (standard 2x150 paired-end)	325 € 2 300
	NovaSeq SP flow cell 500 cycles (standard 2x250 paired-end)	650 € 5 850
	NovaSeq S1 flow cell 100 cycles (standard 2x50 paired-end)	1 300 € 5 150
	NovaSeq S1 1/2 flow cell 100 cycles (standard 2x50 paired-end)	650 € 2 750
	NovaSeq S1 flow cell 200 cycles (standard 2x100 paired-end)	1 300 € 6 550
	NovaSeq S1 flow cell 300 cycles (standard 2x150 paired-end)	1 300 € 7 000
	NovaSeq S2 flow cell 100 cycles (standard 2x50 paired-end)	3 300 € 10 050
	NovaSeq S2 1/2 flow cell 100 cycles (standard 2x50 paired-end)	1 650 € 5 200
	NovaSeq S2 flow cell 200 cycles (standard 2x100 paired-end)	3 300 € 12 250
	NovaSeq S2 flow cell 300 cycles (standard 2x150 paired-end)	3 300 € 12 950
	NovaSeq S4 flow cell 35 cycles (standard 1x50 single-end) - for fragment counting	8 000 € 13 050
	NovaSeq S4 flow cell 200 cycles (standard 2x100 paired-end)	8 000 € 16 800
	NovaSeq S4 flow cell 300 cycles (standard 2x150 paired-end)	8 000 € 18 400
	MiSeq sequencing (amplicon gene panels and other small-scale applications)	million reads (conservative estimate)
	MiSeq v2 nano flow cell 2x150bp (paired-end)	1 € 490
	MiSeq v2 nano flow cell 2x250bp (paired-end)	1 € 561
	MiSeq v2 micro flow cell 2x150bp (paired-end)	4 € 670
	MiSeq v2 flow cell 1x50bp (single-end)	15 € 1 196
	MiSeq v2 flow cell 2x150bp (paired-end)	15 € 1 474
	MiSeq v2 flow cell 2x250bp (paired-end)	15 € 1 770
	MiSeq v3 flow cell 2x75bp (paired-end)	25 € 1 307
	MiSeq v3 flow cell 2x300bp (paired-end)	25 € 2 063
Long read sequencing technologies		
Oxford Nanopore long-read sequencing (per MinION/PrometION flowcell)	on request	
Other services	Handling & quality control	per unit
	Handling & quality control of client-provided ready-to-sequence libraries ⁴	1 library € 40
	Handling & quality control of client-provided libraries that fail quality control and need re-purification ⁴	1 library € 114
	Bioinformatics	per unit
	Bioinformatic data processing ⁵	sequencing lane/unit € 150
	Initial bioinformatic analysis (web-based report with genome browser tracks, clustering, differential genes, etc., as applicable)	experiment € 400
	Additional bioinformatic services including data analyses, long-term archival, assistance with GEO submission, etc. ⁶	experiment on request
	Additional protocols and services	
	DNA library preparation with PCR-free, TruSeq nano, Nextera DNA Flex, NEBNext Ultra II or similar protocols (batches of 12 samples)	1 sample € 68
	Library preparation for NEBNext immune sequencing	24 samples € 3 000
Library preparation for Nanopore long-read sequencing	1 sample on request	
Additional protocols will be established if there is sufficient demand - please inquire	on request	

¹ The Biomedical Sequencing Facility (BSF) of CeMM and MedUni Vienna is an academic and non-profit sequencing technology platform. Prices are calculated to cover costs and do not contain any commercial profit margin.

² Sequencing for academic research is subsidized by the BSF and available only for academic research projects with no commercial interests. Unsubsidized prices for projects that do not fall under this definition are available upon request.

³ The all-inclusive protocols are also available with custom sequencing depth (please inquire for a project-specific quote).

⁴ The handling fee applies to client-provided libraries on a per-library basis for each library that is submitted to the BSF. To reduce costs, it is recommended to multiplex/pool libraries prior to submission.

⁵ The bioinformatic data processing fee applies to client-provided libraries and is charged on a per-lane basis (NovaSeq SP/S1/S2: 2 lanes; S4: 4 lanes; MiSeq: 1 lane) for all sequencing that is not part of an "all-inclusive package".

⁶ Further bioinformatic analyses and services can optionally be contributed on a collaborative basis. For large projects, it is critical to discuss requirements with BSF staff early on in order to allocate sufficient resources and capacity.

