

Ready to Load Sequencing



Explore Our Product Portfolio for Ready to Load Sequencing

CeGaT offers sequencing of custom-made libraries compatible with Illumina or PacBio systems. We make use of the latest sequencing technologies. Depending on your needs, samples will be sequenced either on Illumina short-read platforms (NovaSeq™ X Plus, NovaSeq™ 6000, MiSeq) or the PacBio Sequel IIe long-read system.

NovaSeq™ X Plus Platform (Illumina)		Output [Gb]
10B flow cell		
SR/PE	200 cycles	2000
SR/PE	300 cycles	3000
25B flow cell		
SE/PE	300 cycles	8000

Single-Lane Sequencing on NovaSeq™ X Plus Platform (Illumina) *		Output [Gb]
25B flow cell		
PE	2 x 150 cycles	up to 1000

*Available for one or several 25B lanes



Want to Discover More?
 We invite you to take a look at our website.
www.cegat.com/ready-to-load-sequencing

NovaSeq™ 6000 Platform (Illumina)		Output [Gb]	Single reads CPF [million]*
SP flow cell			
SR/PE	100 cycles	65	650
SR/PE	200 cycles	134	650
SR/PE	300 cycles	200	650
PE	500 cycles	325	650
S1 flow cell			
SR/PE	100 cycles	134	1330
SR/PE	200 cycles	266	1330
SR/PE	300 cycles	400	1330
S2 flow cell			
SR/PE	100 cycles	333	3335
SR/PE	200 cycles	667	3335
SR/PE	300 cycles	1000	3335
S4 flow cell			
SR/PE	200 cycles	1600	8000
SR/PE	300 cycles	2400	8000

SR: single-read, PE: paired-end, CPF: clusters passing filter.

MiSeq Platform (Illumina)		Output [Gb]	Single reads CPF [million]*
Nano flow cell			
SR/PE	300 cycles	0.3	1
PE	500 cycles	0.5	1
Micro flow cell			
SR/PE	300 cycles	1.2	4
V2 flow cell			
SR/PE	50 cycles	0.75	12
SR/PE	300 cycles	4.5	12
PE	500 cycles	7.5	12
V3 flow cell			
SR/PE	150 cycles	3.3	22
PE	600 cycles	13.2	22
Sequel IIe Platform (PacBio)			HiFi reads [million]**
SMRT Cell 8M			
Movie time – 10–30 h**			3

*In case of PE sequencing, they will be twice as much.
 **Dependant on library insert size, movie time, sample quality.



About Us

CeGaT was founded in 2009 in Tübingen, Germany. Our scientists are specialized in next-generation sequencing (NGS) for genetic diagnostics, and we also provide a variety of sequencing services for research purposes and pharma solutions. Our sequencing service portfolio is complemented by analyses suited for microbiome, immunology, and translational oncology studies.

Our dedicated project management team of scientists and bio-informaticians works closely with you to develop the best strategy to realize your project. Depending on its scope, we select the most suitable library preparation and conditions on our sequencing platforms.

**We would be pleased to provide you with our excellent service.
Contact us today to start planning your next project.**



Accredited by DAKKS according to
DIN EN ISO/IEC 17025:2018



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