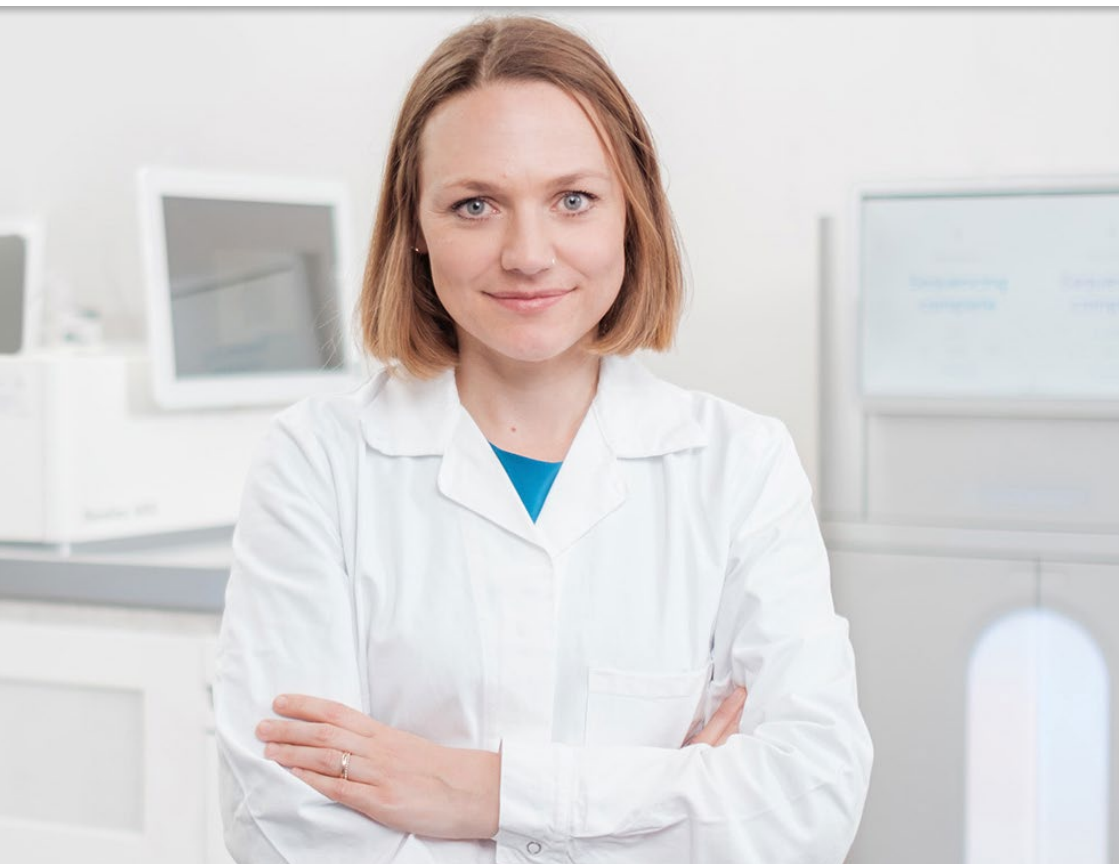


Panel Sequencing



Examine a Distinct Set of Regions within the Genome

A gene panel comprises a defined selection of genes that are enriched and sequenced. With this method, it is possible to sequence many samples simultaneously with a high sequencing depth using next generation sequencing. Panel sequencing results in a manageable amount of data with a low proportion of underrepresented regions.

CeGaT has been using the concept of panel sequencing in genetic diagnostics since 2009. Based on our long-standing expertise, we can offer different predefined panels. Benefit from either PacBio's long-read sequencing technology with HiFi reads or use the established short-read sequencing technology powered by Illumina. With our long-read panels, you can investigate genes involved in drug metabolism and therapeutic responses or genes that are difficult to sequence using short-read. For short-read panels, we are happy to assist you in generating and validating a custom panel design. If you are interested in Panel Sequencing to characterize tumors, please check out our Comprehensive Tumor Profiling portfolio.

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



Explore Our Product Portfolio for Panel Sequencing

	HiFi PAS PGX	HiFi PAS Dark	PAS Flex
Species	Human		Diverse
Sequencing panel	Twist Alliance Long-Read PGx Panel	Twist Alliance Dark Genes Panel	Custom panel
Sequencing platform	PacBio		Illumina
Output	Flexible		
Included deliverables	Project report & clipped BAM files		Project report & FASTQ files

PAS: Panel Sequencing





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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