

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. The portfolio is complemented by non-sequencing-based methods such as immunomonitoring.

Our dedicated project management team of scientists and bioinformaticians works closely with you to develop the best strategy for the realization of your project. Depending on its scope we select the most suitable library preparation and sequencing conditions on our Illumina platforms.

We would be pleased to provide you with our award-winning service. Contact us today to start planning your next project .



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Accredited by DAkkS according to
DIN EN ISO 15189:2014

Panel

Sequencing

Research & Pharma Solutions

A gene panel covers a distinct set of regions within the genome. Prior to high throughput sequencing, the selected set of gene targets is enriched and only these selected targets will be sequenced. With this method, key genes can be examined in many samples at once with a high coverage and a reduced percentage of underrepresented regions. Furthermore, only smaller and more manageable data sets are needed for analysis.

CeGaT has been using this concept in genetic diagnostics since 2009. Based on our long-standing expertise we can offer you our **predesigned CeGaT Panels** for your research project or assist you in **individual Custom Panel** design with subsequent panel validation.

With CeGaT as sequencing partner you will benefit from our long-standing expertise in the diagnostic field. Strict quality control standards are maintained at every step in our process, including sample processing, library preparation, sequencing and bioinformatics.

Predesigned CeGaT Panels

- Scientifically based selected targets
- More than 99% of the targets are covered with at least 30x
- Find a list of all offered CeGaT Panels on our website

Individual Custom Panel

- CeGaT assists in target definition based on genes, chromosomal positions, transcripts, etc.
- Targets can be chosen freely across the genome
- Validation according to diagnostic grade quality approved standards: CAP and ISO:15189
- Full reporting of the validation

Explore Our Panel Sequencing Product Portfolio

| Choose your option → | PAS Classic | PAS Flex |
|-----------------------|---|---------------------------------------|
| Sequencing panel | Predesigned CeGaT Panel | Individual Custom Panel |
| Species | Human | Flexible |
| Panel produced by | Twist Bioscience | Twist Bioscience; Agilent Sure Select |
| Sequencing technology | Illumina | |
| Deliverables | Project report & FASTQ; BAM; VCF; TSV files | Project report & FASTQ files |

PAS: Panel Sequencing
 All products can be combined with further bioinformatics.