

## Overview – Indivumed Biobank



For over 20 years, the Indivumed Excellence for Biobanking has been firmly established and acknowledged as synonymous with unparalleled quality. We are globally recognized and trusted as setting the highest standard for biospecimen and clinical data collection. We offer a wide range of biobank products to support your research and development in personalized medicine, biomarker validation, drug discovery, and companion diagnostics.

*Indivumed's capability is to accelerate your time to market without having to compromise on quality and clinical data integrity.*

Indivumed provides a broad spectrum of systematic sample quality and clinical data with Multi-omics Grade and Standard Grade samples, from the most stringent requirements to routine operations.

### The Indivumed Quality Guarantee

Indivumed's Multi-omics Grade biospecimens are collected by our study nurses or trained personnel directly in the operating room, ensuring excellent sample quality with the lowest ischemia time possible. Indivumed's Standard Grade samples are sourced globally in accordance with Indivumed controlled processes. Quality assessment performed by our certified in-house pathologists guarantees that the risk factors often associated with tissue samples, such as poor tissue or block quality, insufficient tumor cell content, or high levels of necrosis, are reduced.

Indivumed is known for the ultimate quality of biospecimens with a minimized biospecimen usability failure rate of less than 1% for our Multi-omics Grade and for our Standard Grade biospecimens.

### Biospecimens' Main Application Scenarios



Immuno-oncology solutions



Biomarker discovery and validation



Drug profiling

## Indivumed's Multi-omics Grade Biospecimens



Indivumed's Multi-omics Grade samples enable you to excel in your research and development of personalized medicine along the value chain from target identification to drug discovery, and for biomarker exploration and validation.

Indivumed's Multi-omics Grade biospecimens capture the molecular reality and allow a holistic view of the tumor landscape of the patient's disease state. Our unique clinical network spans clinical sites across the globe, allowing for the highest level of biospecimen and data collection.

- Complete cancer biospecimen set, including matched normal adjacent tissue, plasma, serum, PBMCs, and urine
- Comprehensive clinical data
- Large biospecimen repository
- Custom prospective collections
- Lowest usability failure rate (<1%)
- Mean ischemia time of tissue approx. 10 min
- Preservation of the molecular and biological tumor profile
- Excellent data and sample quality
- Informed patient consent available
- Biomarker analyzed tissue for selected cancer entities (e.g. MSI, MSS, KRAS, BRAF, BRCA1/2, ALK, PDL-1, EGFR, ROS1, HER2, ER, PR, etc.)
- Mutation characterized samples (Illumina's AmpliSeq Focus Panel; 52 cancer-related genes) for breast cancer, colorectal cancer, ovarian cancer, stomach cancer, and lung cancer



## Indivumed's Longitudinal Cell-Free Plasma (Liquid Biopsy)



In collaboration with a continuously expanding oncology practice network, Indivumed has established a unique high-quality cell-free plasma biobank that is exclusively focused on collecting longitudinal plasma samples from cancer patients.

Indivumed's longitudinal plasma samples enable the isolation of circulating tumor DNA (ctDNA) from pre- and post-treatment plasma samples. This makes our plasma samples ideal for biomarker development, therapy monitoring, detection of early drug resistance, and better understanding of the drug's mechanism of action. Complete plasma sets per patient, including pre- and post-treatment samples are available.

- Comprehensive clinical data
- Numerous cancer entities
- Variety of therapies including checkpoint inhibitors, chemotherapy, and targeted therapy
- Collection in Streck Cell-Free DNA BCT® stabilizes cells, which lowers cfDNA background
- Complete patient consent for targeted genome analysis



## Indivumed's Standard Grade Biospecimens



Along with our Multi-omics Grade biospecimens, we collect and offer Standard Grade biospecimens from our clinical pathology network, as well as external sources according to customer demands. These samples are most suitable for high-throughput validation of diagnostic tests and platforms.

Indivumed's Standard Grade biospecimens are FFPE samples obtained from our biospecimen networks that can be used to study personalized medicine, drug and diagnostics development, or specifically perform high-throughput validation of diagnostic tests and platforms.

- Full range of cancer entities, including normal adjacent tissues, normal tissue, postmortem tissue
- Basic clinical data
- Comprehensive clinical data, and biomarker and mutation status available for selected cohorts
- Quality control by in-house pathologists
- Informed patient consent available for selected cohorts



## Indivumed's Biospecimen Features

	Multi-omics Grade	Standard Grade
<b>Key feature</b>	Molecular reality	High-throughput
<b>Sample collection</b>	Indivumed performed, by highly trained Indivumed study nurse and QC	Indivumed-controlled quality
<b>Cold ischemia time</b>	~10 minutes	Variable
<b>Applications</b>	Biomarker discovery Drug development Preclinical research	High-throughput validation of diagnostic tests and platforms

- Completely standardized ISO-certified protocols and processes
- Quality control by certified in-house pathologists
- Consultancy by our scientists to meet your needs

## About Indivumed

Indivumed GmbH is a physician-led, integrated global oncology company for personalized medicine with the world's premier high-content tumor database and highest quality biobank. Indivumed's standard operating procedures are trusted as the global benchmark for biospecimen and clinical data collection.

Our long-standing biobanking expertise is ISO 9001-certified and includes strict protocols for tissue sampling and processing with regard to crucial parameters such as tumor region, ischemia time, and information management.

### Contact

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