

Multi-omics Grade Biospecimens



Overview

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 at the highest level of clinical relevance. Thus, Indivumed's Multi-omics Grade samples enable you to excel in your research and development of personalized medicine from target identification to drug discovery, and for biomarker exploration and validation. Indivumed's capability is to accelerate your time to market without having to compromise on quality and clinical data integrity.

Indivumed has established a unique high-quality human cancer tissue and fluids biobank that collects and processes all biospecimen products using a completely standardized ISO-certified protocol. Our unique clinical network spans clinical sites across the globe with an "Indivumed Standard for Biobanking" being firmly established and acknowledged as synonymous

with unparalleled quality. 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. Simultaneously, our clinical data team and study nurses ensure completeness and accuracy of the clinical data before final data storage.

For our Multi-omics Grade biospecimens, tissue and blood are collected immediately after surgical resection by Indivumed study nurses who are present in the operating room and who then preserve the tissues in approx. 10 minutes, thus ensuring the biological sample closely mimics the molecular reality of the patient's cancer status. In addition, this process is fully controlled over the entire workflow, from the time of resection to biospecimen collection, clinical data verification, and storage.

Your Benefits

- Complete cancer biospecimen set including matched normal adjacent tissue
- Comprehensive clinical data and follow-up data (over 300 data points)
- Large biospecimen repository
- Custom prospective collections through our global clinical network
- Lowest usability failure rate (<1%) of quality controlled biospecimens performed by in-house pathologists
- Mean ischemia time of tissue ~10 minutes
- Informed patient consent available
- Biomarker analyzed tissue for a variety of mutation characterized cancers (e.g. MSI, MSS, KRAS, BRAF, BRCA1/2, ALK, PDL-1, EGFR, ROS1, HER2, ER, PR, etc.)

Biospecimen Types



Tissue

- Tumor and matched normal adjacent
- Formalin-fixed paraffin-embedded
- Fresh frozen
- Fresh tissue
- Tissue microarray
- Core needle biopsies
- Fine needle aspirates



Fluids

- Plasma
- Serum
- Whole blood collection
- Peripheral blood mononuclear cells (PBMCs)
- Urine – supernatant and sediment

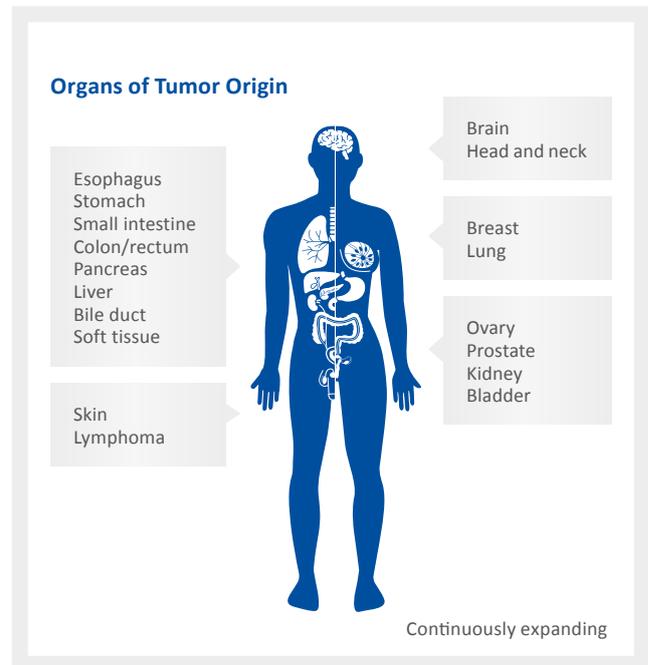
Clinical Data

Indivumed collects extensive clinical data from fully consenting and informed patients including their medical records, notes taken during surgical tumor resection, and comprehensive interviews with the patient's physician and the patient themselves.

We offer various data packages:

- Basic: general patient information, current disease, surgical findings, tumor size, cold ischemia time, histological type, stage, TNM, grade, neoadjuvant therapies
- Comprehensive: includes basic clinical data and current medications, drugs (intolerances, addictive), previous disease, previous surgeries or cancer, family history, presurgical diagnostics
- Follow-up: includes detailed follow-up records on remission, relapse, and outcome including surgery and other therapies
- Biomarker data (e.g. biomarker status): Biomarkers – e.g. MSI, MSS, KRAS, BRAF, BRCA1/2, ALK, PDL-1, EGFR, ROS1, HER2, ER, PR, etc. for selected cancers. Breast cancer, colorectal cancer, ovarian cancer, stomach cancer, and lung cancer are analyzed using Illumina's AmpliSeq Focus Panel (52 cancer-related genes).

Follow-up data is collected beginning at six months post-surgery and then annually for up to five years. Clinical data is thoroughly cross-checked for completeness and accuracy prior to final storage in our IndivuNet database



Custom Prospective Collections

Indivumed offers customized biospecimen collection services that utilize our standard operating procedures under the guidance of a trained collection specialist. We can collect and process the biospecimens according to custom designed protocols to match

the requirements of your research. Additionally, we ensure short delivery times (up to 48 hours) for time-sensitive collections and worldwide logistics for sample delivery.

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

Europe Tel.: +49 (40) 41 33 83 0

Email: CustServ@indivumed.com

USA Tel.: +1 (301) 228 9739

www.indivumed.com