

Portrait and Mission

The NCT Biobank (composed of the NCT Tissue Bank and NCT Liquid Bank) is a central resource and technology platform to provide access to high-quality human biosamples. It is sponsored by Heidelberg University Hospital and the German Cancer Research Center to support translational medical research projects on site. The NCT Biobank is a member of the BioMaterialBank Heidelberg (BMBH) and the German Biobank Alliance (GBA) to promote biobanking-related topics at national and local levels.

What we stand for:

Extensive repository
of tissue and liquid
samples

High-quality samples
and clinical data

Services customized
according to YOUR needs

Continuously
monitored storage
conditions

Contact Us



NCT Tissue Bank

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NCT Liquid Bank

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For further information and to request
samples, visit our homepage or use
the QR code.

www.nct-heidelberg.de/biobank



Funding and Support



HEIDELBERG
UNIVERSITY
HOSPITAL

BMBH
BioMaterialBank Heidelberg



NCT Biobank

INFORMATION FOR SCIENTISTS



NATIONAL CENTER
FOR TUMOR DISEASES
HEIDELBERG

supported by
German Cancer Research Center (DKFZ)
Heidelberg University Medical Center
Hospital for Thoracic Diseases
German Cancer Aid

Benefits

With us you generate
reliable research data!



High acceptance of publications

Established quality management
system (accredited NCT Tissue
Bank)

Extensively
trained personnel

Cooperation with NCT Trial
Center and NCT Cancer Registry

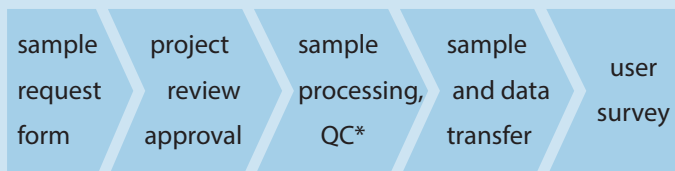
Biosamples collected with
broad consent

State-of-the-art
technologies

High-quality clinical
data

Broad variety of tumor/normal tissue (fresh frozen and FFPE)
and liquid samples (e.g. blood, serum, urine, stool, saliva)

Our workflow:

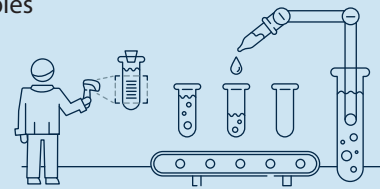


Services

We offer the following services:

Basic services (sample collection)

- ▷ Registration and pseudonymization
- ▷ Pathological-anatomical examination of tissue samples**
- ▷ Aliquotation of samples in 2D barcoded tubes according to customer needs
- ▷ Storage at -80 °C under monitored conditions
- ▷ Picking and supply of samples
- ▷ Shipping of biosamples



Management services

- ▷ Standardized application process and MTA***
- ▷ Documentation and data management
- ▷ Development of workflows and logistics
- ▷ Support with ethics approval and grant writing
- ▷ Study planning and cost calculation
- ▷ Biobank-specific training measures



* QC = Quality control

** Accredited services according to DIN EN IS/IEC 17020:2012.

*** MTA = Material Transfer Agreement

Technologies

Our technology platform offers:

- ▷ Histological sections from human FFPE and frozen tissue**
- ▷ Preparation of tissue micro arrays (TMA)**
- ▷ Histological stainings (e.g. H&E, Masson-Goldner)
- ▷ Immunohistochemical (IHC) stainings
- ▷ Scanning of slides (brightfield)
- ▷ Processing of liquid biopsies
- ▷ Isolation of PBMCs
- ▷ Extraction of nucleic acids (DNA, RNA, cfDNA, microRNA) from tissue, blood, stool and saliva
- ▷ Quality control of nucleic acids (DIN, RIN, 260/280 nm)

