



NCT Biobank

INFORMATION FOR SCIENTISTS AND PHYSICIANS



NATIONAL CENTER
FOR TUMOR DISEASES
HEIDELBERG

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

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 supported 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 international levels.

What we stand for:

Broad variety of
tissue and liquid
samples

High-quality samples
and clinical data

Services customized
according to YOUR needs

Transparency and
sustainability

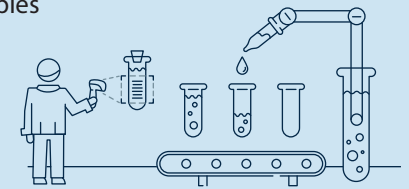


Services

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

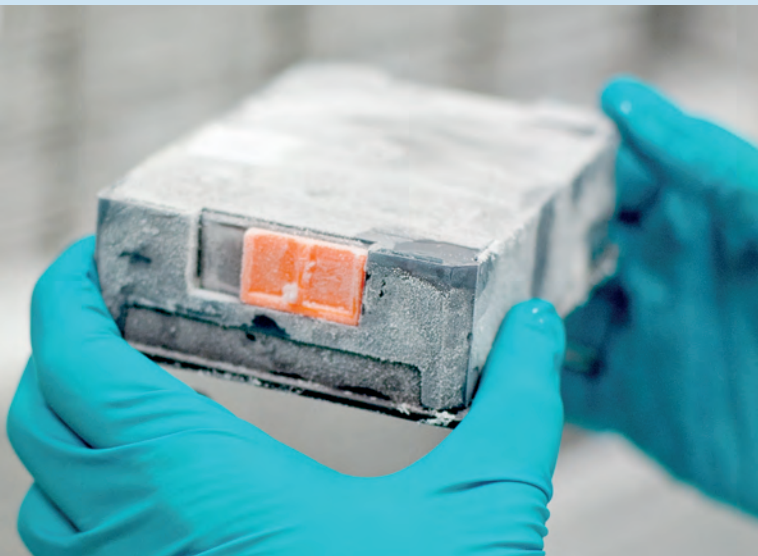
** Accredited services according to DIN EN ISO/IEC 17020:2012.

*** MTA = Material Transfer Agreement

Technologies

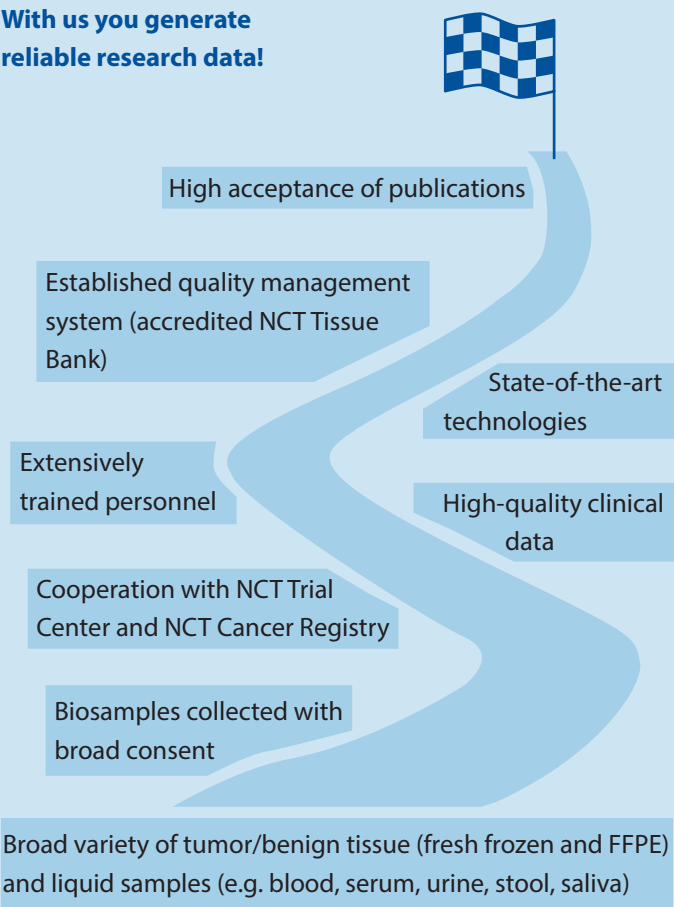
Our technology platform offers:

- ▷ 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)

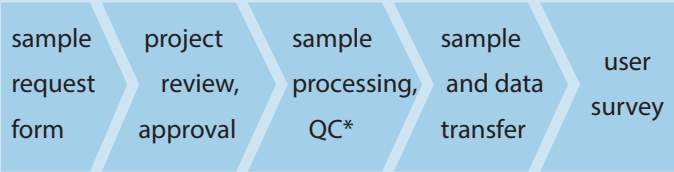


Benefits

With us you generate reliable research data!



Our workflow:



Contact Us



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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

