

Tumorbank@UZA



Tumorbank@UZA

The Tumorbank@UZA is integrated into the multidisciplinary cancer care programme 'MOCA' at the Antwerp University Hospital (UZA). The Tumorbank@UZA is funded by the Belgian National Cancer Plan Action 27, which was launched in 2008 by the Belgian Federal Ministry of Social Affairs and Public Health. Its objective is to create a virtual inter-institutional tumor bank to promote translational research and to create a cooperative network among academic institutions, hospitals and industrial partners.

Tumorbank@UZA is physically located within the Pathology department that obtained ISO 15189:2007 accreditation. The tumor bank is working according to standard operating procedures (SOPs) based on international guidelines for collection, processing and storage of high-quality fresh-frozen and paraffin-embedded tissue samples, residual serum samples and other blood products such as whole blood, plasma, buffy coat and red blood cell fractions.

The samples are registered with their clinical relevant dataset in a commercially available software tool for sample management and distribution.

Researchers that are interested to learn more about our collection and the procedure to obtain samples can contact us (Tumorbank@uza.be) or visit our website: www.uza.be/tumorbank.

Service offer

Infrastructure/Biorepository

- -150°C storage
- -80°C storage
- Room temperature storage
- Sample registration and tracking in LIMS
- Pseudonymisation



Sample collection

- Standardised operating procedures (SOPs)
- High qualitative sample
 - Fresh-frozen tissue sample
 - FFPE tissue samples
 - Serum samples
 - Whole blood
 - Plasma
 - Buffy coat
 - Red blood cell fraction
 - Study specific sample collections
- Collected with patient consent
- Approved by the Ethical Committee



Sample processing & testing

- Slide preparation (frozen and FFPE slides)
- DNA and RNA extraction
- DNA and RNA quantification (Nanodrop)
- RNA RIN analysis (Agilent Bioanalyzer)



**ISO15189:2007 accredited
sample testing**

- Immunological assays
- FISH
- Mutation analysis
- www.uza.be (Pathologische Anatomie > Labogids)



International membership

The Tumorbank@UZA is participating in multiple working groups from the International Society for Biological and Environmental Repositories (ISBER) and the European, Middle Eastern and African Society for Biopreservation and Biobanking (ESBB).

Contact

Tumorbank@uza.be
www.uza.be/tumorbank

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