

**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/research

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Tumorbank@UZA

UZA / Wilrijkstraat 10 / B - 2650 Edegem

Knowledge / Experience / Care



Knowledge / Experience / Care



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 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 and serum samples.

The samples are registered with their clinical relevant dataset in a custom-made software tool for sample management and distribution. Users and/or researchers can have access to the Tumorbank@UZA catalogue to query for samples with certain specifications required in their research projects.

Service offer

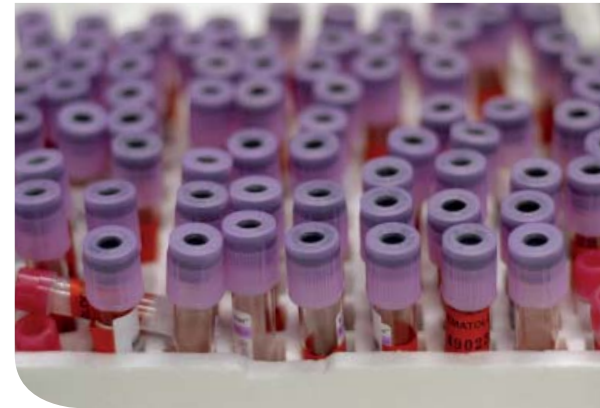
Infrastructure/Biorepository

- -80°C storage
- -150°C storage
- FFPE storage
- Data management system
- Pseudonimisation
- IATA certification



Sample collection

- Standardised operating procedures (SOPs)
- High qualitative samples
- Fresh-frozen tissue samples
- FFPE tissue samples
- Serum samples
- Collected with patient consent
- Approved by the Ethical Committee



Sample processing & testing

- Genomic DNA extraction
- DNA quantification (Qubit)
- DNA amplification
- Mutation analysis
- Total RNA extraction
- RNA quantification (NanoDrop)
- RNA integrity number (RIN) (Agilent Bioanalyser)
- qPCR gene expression analysis (Cobas)
- Next generation sequencing (Illumina)
- Post-translational modification status (NanoPro)
- Real-time monitoring cellular events (xCELLigence)

