



BIOBANK PORTFOLIO OF SERVICES

Technical and scientific advising:

- Creation and management of new collections.
- Work methodology.
- Quality control in the treatment of DNA/RNA samples.
- Training in the use of Biobank management software.

Management of samples/collections:

- Coordination of sample collections in multicentre studies.
- Storage of existing collections under the protection of Ley de Investigación Biomedica (Biomedicina Research Law, LIB) 14/2007 and the Royal Decree 1716/2011 on biobanks.
- Control and management of Informed Consents (ICs) and/or clinical documentation related to samples.
- Aliquoting blood, serum, plasma and other liquids.
- Sending and receiving samples.

Histological Techniques:

- Preparation of paraffin blocks.
- Preparation of frozen tissue blocks (cryomolds).
- Sections from paraffin/frozen blocks.
- Haematoxylin-eosin staining.
- Other types of stainings (on request).

Cell Techniques:

- Purification and freezing of Peripheral Blood Mononuclear Cells (PBMCs).

Molecular Techniques:

- Extraction of DNA/RNA from blood.
- Extraction of DNA/RNA from frozen or paraffin tissue.
- Quantification of DNA/RNA using spectrophotometry (NanoDrop).

Researchers who wish to deposit their collection in the IdiPAZ Biobank facilities must sign an agreement for the depositing of the sample (where the terms and conditions are specified under which the Biobank will deposit the samples) and must comply with all requirements of the current legislation.

The researchers who request samples must also sign an agreement for the transfer of samples (MTA), which specifies the terms and conditions under which the Biobank will deliver the samples.