



BIOBANK EQUIPMENT / FACILITIES

- 6 chest freezers (-80° C) (6 by the end of the year) equipped with temperature control alarms and software-controlled door opening (probably 8 at the end of the year)
- 1 liquid nitrogen tank in gas phase, also equipped with a temperature control alarm
- Combi refrigerator, 4°C and -20°C
- Cryostat, for cutting of frozen samples
- Microtome + bath, for cutting samples in paraffin
- IIA Biological safety cabinets
- Centrifuge capable of processing samples in tubes and eppendorfs
- Digital microscope
- Automated nucleic acid extractor. DNA and RNA from blood and tissue that is frozen or embedded in paraffin
- Automated platform for handling and tracking liquids
- 2 minicoolers for ramp freezing (1°C/min) biological samples
- 2 containers for freezing and transporting samples in isopentane
- 2 pairs of gloves for working in low temperatures
- Vortex agitator
- Spectrophotometer
- 1 set of automatic micropipettes
- 1 automatic electronic pipette
- 1 container for transporting samples in isopentane
- 1 pair of cryogenic work gloves
- Fungible: mainly kits and products necessary for processing and preserving tissues, blood, cells, DNA and RNA
- Printer/Copier/Scanner
- 3 computers and a computerised management system
- Label printing system and bar code reader connected to the management software