



CELL CULTURE UNIT EQUIPMENT/FACILITIES

The Cell Culture facility offers a multi-user laboratory space fitted with the following equipment (funded and maintained by joint and private support):

Cabinets

- 2 Telstar Biological Safety Cabinets Bio-II-A
- 3 Vertical laminar flow cabinets Faster BIO 48-M
- 1 Vertical laminar flow cabinet Faster BIO TWO30
- 1 Faster Biological Safety Cabinet BM-En 2004

Incubators

- 2 ThermoForma Model 310 CO₂ incubators
- HERAcell CO₂ incubator
- 2 BIOTECH Galaxy S CO₂ incubators
- CULTEK IR 1500 CO₂ incubator
- ThermoForma Scientific CO₂ incubator

This equipment is supplemented by a centralized gas system which ensures a constant and suitable CO₂ supply.

Microscopes

- Inverted microscope Nikon DIAPHOT TMD (Phase contrast objectives 4 ×, 10 × and 40 ×) attached to a Nikon D80 digital camera
- Inverted microscope Leica DMIL (Phase contrast objectives 4 ×, 10 ×, 40 × and 63 ×) attached to a Canon Powershot S70 digital camera

Centrifuges

- EPPENDORF 5810R refrigerated centrifuge
- KUBOTA 2010 centrifuge

Cell Separation System

- Miltenyi Biotec autoMACS cell separation system

Freezing system

- LIEBHER upright refrigerator (4°C and -20°C)
- Refrigeration chamber (4°C)
- Cryopreservation (liquid nitrogen tanks)
- 2 STATEBOURNE Biorack 3000 liquid nitrogen tanks
- THERMO Locator 6 Plus liquid nitrogen tank
- MVE CryoSystem 6000 liquid nitrogen tank
- MVE CryoSystem 4000 liquid nitrogen tank
- Cryo Diffusion B2016 liquid nitrogen tank
- Cryo Diffusion B2048 liquid nitrogen tank
- Cryo Diffusion B201 I liquid nitrogen tank
- SEO GT40 liquid nitrogen tank



- Liquid nitrogen dewars

This equipment is located in the Criobiology Unit, an off-site facility which includes a centralized alarm and a ventilation system.

Other Equipment

- Presoclave 75 P-Selecta Autoclave
- Milli-Q and Millipore water purification system
- Heidolph Reax 2000 vortex shaker
- RAYPA thermostatic bath
- PRECISTERM thermostatic waterbath
- Vacuum pums
- Other small equipment including: micropipettors, hemocytometers, counters, pipet-aids...