

## CELL CULTURE UNIT

Techniques offered:

- Primary culture:
  - granular neurons
  - Cortical Neurons
  - Hippocampal Neurons
  - Cortical Astrocytes
  - Cerebellar Astrocytes
  - Mixed cultures of neurons and astrocytes.
  - Co-cultures of neurons and astrocytes.
  - Organotypic hippocampal cultures.
  - Oligodendrocytes
  - Schwann cells of sciatic nerves
- Cell lines:
  - Defrost maintenance and cryopreservation. Mobile cell stocks.
  - Storage in liquid N<sub>2</sub> and facilitation of cell lines.
  - Test for mycoplasma by PCR and subsequent disinfection where appropriate.
  - Stocking density plates to certain specific request and subsequent treatment and cell viability test by MTT.
  - Cell differentiation of PC12 and P19.

We have facilities to work with viruses at Biosafety Level 2.

We can extend the offer according to specific needs of any research group.

Equipment:

There are two rooms divided in primary cultures and cell lines.

- 4 biological safety cabinets containment level 2 (1 Telstar Bio II A, 2 Telstar Biostar, 1 Flufrance Biohit)
- 2 vertical laminar flow chambers (1 Telstar AV-100, 1 Telstar Mini-V/PCR)
- 1 horizontal laminar flow cabinet (Telstar)
- 1 Chamber of hypoxia (Ruskinm In vivo, 200-200)
- 2 binocular stereo magnifiers (Nikon SMZ ZOOM-645)
- 8 CO<sub>2</sub> incubators. (5 Heraeus heracell 150, 2 Jouan IGO 150, Nuair A-4750)
- 4 phase contrast inverted microscopes (Nikon Eclipse TS-100, Leica DM IL, Meiji)
- 2 centrifuges (Jouan B4i, Jouan B3.11)
- Water bath, minicentrifuges (Galaxy ministar) ...
- 2 tanks of liquid nitrogen (Taylor Warton LS750, Air Liquide Arpege 170)
- 3 autoclaves from 15 to 75 liters. (Autester Penta-E, Selecta Autester-E 75 Dry, Selecta Mediclave)
- 1 dry heat sterilizer (Selecta Poupine 1 Drytime)