

Cell Culture Suite

Shannon ABC have two independent cell culture suites providing the necessary conditions for maintaining healthy and free of contamination cell lines. Laboratories are dedicated to conducting a wide range of scientific research using *in vitro* cultured mammalian cells.

Cell culture suites are fitted with state of the art equipment required for the routine culture of cells: class II safety cabinets, CO₂ incubators, inverted fluorescence microscope, centrifuges, cell counter.

The scientific potential of the Cell Culture Suite includes:

- study of physiological and pathological processes occurring in cells
- evaluation of the effect of natural or synthetic substances on cells, including the analysis of:
 - cytotoxicity
 - proliferation
 - apoptosis
 - metabolic activity
 - intracellular oxidative stress
 - secretion of cytokines and growth factors

