



Colture cellulari

Cell Culture

Introduction to cell culture

- ▶ What is **cell culture**?
- ▶ Primary culture
- ▶ Cell line
- ▶ Finite vs continuous cell line
- ▶ Culture conditions (suitable vessels/medium)
- ▶ Morphology of cells in culture (fibroblast-like/epithelial-like/lymphoblast-like cells)
- ▶ Cryopreservation
- ▶ Application of cell culture
- ▶ Cell culture equipment (cell culture hood; humid CO₂ incubators; water bath; centrifuge; cell counter; (hemocytometer); inverted microscope; sterilizer (i.e. autoclave); liquid nitrogen; refrigerator and freezer (-20°C)
- ▶ Supplies (cell culture-treated vessels; pipette and pipettors; syringes and needles; waste containers; media; serum and reagents; cells)

Aseptic work area