

Lab equipment Guide

General Shared Lab

Equipment

- Flake ice maker
- Glassware drying cabinet
- Safety weighing cabinet
- Fume hood (recirculating)
- Refrigerated centrifuge
- Rolling cabinet for refrigerated centrifuge
- Microfuge (non - refrigerated)
- Freezer - 80 degrees with remote alarm
- Analytical balance
 - up to 110g x 0.1mg
- Precision balance (top loading)
 - up to 6.2kg x 0.01g
- Weight for checking balance calibration
 - 100g
- pH metre with standard electrode and stand
- Waterbath - 6L - gabled lid
- Micro-plate reader
- Thermocycler
- Power pack for electrophoresis system
- Horizontal agarose gel electrophoresis system for DNA/RNA separation
- Vertical polyacrylamide gel electrophoresis system for protein separation (+ Western blotting)
- UV Light-box
- Light-box
- Stirrers to accommodate 5L beakers - x2
- Heated (hotplate) stirrers - x2

Fixtures

- Hazardous chemicals cupboard
- Flammable chemicals cupboard
- Acids/Alkalis cupboard

- Vortex mixers, variable speed - x2
- Refrigerator/freezer thermometers or data loggers
- Timers x6
- Bottle carrier for Winchesters (2.5L)
- Water purifying system
- Pipettes (1 set) 2ul, 10ul, 20ul, 100ul, 200ul, 1000ul, 5000ul and carousel



Tissue Culture Lab

Equipment

- Autoclave (top loading, floor standing on castors)
- CO₂ incubator x 2
- Carbon dioxide gas detector
- Roller - base for CO₂ incubators
- Centrifuge (non - refrigerated)
- Biological safety cabinets class 11 x 2 with stand/castors/UV lamp/socket
- Laminar flow hood (horizontal) with stand
- Water-bath (static), 26 Litres, with gabled lid & drain
- Low pressure liquid nitrogen vessel (180L) with castors
- Roller - base for Biorack 3000
- Cell storage bank (<3000 vials) with storage system for 2ml vials
- Inverted phase microscope x 2
- Oxygen deficiency monitor & alarm
- Refrigerator/freezer thermometers or data loggers
- Autoclave waste bags & sterilisation pouches
- Gas cylinder trolley
- Pipettes (1 set) - 2ul, 10ul, 20ul, 100ul, 200ul, 1000ul, 5000ul and carousel
- Pipettor x 3 (pipetting controllers, pipette fillers)
- HDPE water carboy with tap for pure water (microbiological media)

Fixtures

- Refrigerator under - bench x2
- 7 - Tray unit x 3
- Single under - bench cupboards x
- Storage cupboard, 4 Shelves, roller shutter doors
- Lab stool, wipe - able, telescopic, with castors x 3 for work in safety cabinets

Microbiology Lab

Equipment

- Autoclave (top loading, floor standing on castors)
- 37°C incubator (non - gassed)
- Shaking incubator
- Microbiological safety cabinet class II with stand/ castors/UV lamp/socket
- Laminar flow hood (horizontal) with stand
- Microfuge
- Centrifuge (non-refrigerated)
- Rolling cabinet with 2 drawers for centrifuge
- Water-bath (static) 12L with lid and tray
- Pipettor x 2 (pipetting controllers, pipette fillers)
- Refrigerator/freezer thermometers or data loggers
- Spectrophotometer - scanning 190 - 1100nm wavelength range - with printer and quartz cuvette for UV

Fixtures

- Lab stool, wipe-able, telescopic, with castors for work in safety cabinets x2
- 7 - Tray unit x 2
- Single under - bench cupboards x 4
- Freezer under - bench
- Refrigerator under - bench