

Equipment available for use in Kent Science Resource Centre

Basic glassware and apparatus

Balances
 Pipettes, glass
 Pipettors and tips (20 sets 0.5µl - 5000µl)
 Fridges and freezers (-20°C)
 Quickfit apparatus
 Laminar flow cabinets (2)
 Category 2 cabinets
 pH meters
 Waterbaths heating, cooling and shaking
 Incubators heated and cooled
 Ovens
 Melting point apparatus
 Centrifuges refrigerated (14,000rpm: 21000G)
 Microfuges
 Autoclaves (large for fermentation equipment and 3 small bench top)
 Fume cupboards (6)

Cell culture and aseptic technique

Laminar flow cabinets (2)
 Category 2 cabinets (2)
 CO₂ incubators (4)
 Plant growth cabinet (temp, humidity and light cycle controlled)
 Anaerobic gas systems

Microscopy

Teaching light microscopes with oil immersions (15)
 Light/ Phase contrast/ fluorescence microscope with screen and camera
 Binocular microscopes (with camera attachment)
 Inverted microscope

Chromatography

Thin layer chromatography
 Ion Exchange chromatography
 Affinity chromatography
 HPLC
 GLC

Immunology/ Eliza

Eliza plate reader (6 – 96 well plates)
 Plate washer

Spectrometry

Colourimeters
 Spectrophotometer UV/Vis
 FTIR
 Flame photometer (Na, K, Li)

DNA and Electrophoresis

Horizontal mini gel
 Horizontal maxi gel
 Vertical gel tanks
 Thermal cyclers (3)
 Gel documentation system
 Power packs

Scale up and down stream processing

Bioreactors (2 x 2.5L)
 Freeze drier
 Rotary evaporators (4)
 Bucchi chromatography system