

Department of Biochemistry

1	Stackable Refrigerated Incubator	Orbitek	Temperature-controlled culture storage
2	ND2000C Nandrop Spectrophotometer	Thermo	Micro-volume DNA/protein quantification
3	Shimadzu Prominence High Performance Liquid Chromatography	Shimadzu	High-precision chemical separation
4	Sonics -Sonicator -New	Sonics	Ultrasonic cell lysis/homogenization
5	SCANVAC Freeze drier cum speed vacume Concentrator	LabogeneAPS-Het cooling trap	Sample drying and volume reduction
6	Syngene Gel Documentation System	Syngene	DNA/Protein gel visualization
7	Versa Doc Imaging System (5000MP)	Versa Doc	High-resolution gel and blot imaging
8	Spectra max M2 Multimode Spectrophotometer	Molecular Devices	Absorbance and fluorescence plate reader
9	Reverse transcription polymerase chain reaction (RT-PCR)	Quant studio	Gene expression analysis (RNA detection)
10	Chemiluminiscence Imaging system	Vilber	Sensitive Western blot detection
11	Inverted Microscope including plan phase , LWD objectives, centring telescope , Plan Achromatic LED objective and shipping and handling	Olympus	Live cell observation (bottom-up optics)
12	Hi Speed Centrifuge	Hitachi	Rapid sample separation and pelleting
13	Hypoxia Chamber	Bioxia	Low-oxygen cell culture environment
14	Gradiant Fractionator	Crystal Bio Equipment	Precision separation of density layers
15	Gas Chromatography & Mass Spectrophotometry	Agilent Technologies	Volatile compound identification
16	Multimode Plate Reader	Genesis Bio Solution	High-throughput assay measurement
17	Fast Protein Liquid Chromatography	Bio Rad Laboratories	Automated protein purification system
18	High Performance Liquid Chromatography	Smart Labtech	High-precision chemical separation
19	High Speed Centrifuge	Thermo	Rapid sample separation and pelleting
20	Incubate Shaker	Alpha Instruments	Agitated temperature-controlled growth
21	BOD Incubator	Med Lab	Low-temperature (20°C) incubation

22	Respirometer	OroBoros	Oxygen consumption rate measurement
23	Ultra Centrifuge	Beckman Coulter	Nanoscale separation (Viruses/DNA)
Department Of Plant Sciences			
1	HRMS- High Resolution Mass Spectrophotometer	Waters	Exact mass measurement & molecular ID