

Autoclaves

Equipment	Model	Details
Industrial Scale Autoclave	Priorclave	Top loading 100 L autoclave. Full standard cycle (121°C, 15 min) takes around 3 hours

Bioreactor

Equipment	Model	Details
Bioreactor	Applikon 2 and 5L flask	

Centrifuges

Equipment	Model	Details
Centrifuge	Sorvall RC3B Plus Refrigerated Centrifuge	Large capacity centrifuge. Analogue control panel features speed and temperature indicators and selectors, time control, brake switch, run and over-temperature and imbalance lights as well as start and stop switches. Its rotor has a maximum-rated RPM of 5000 and features six large swinging buckets for 500 ml bottles, and adaptors for 50, 30 and 15 ml tubes
Centrifuge	Heraeus, Megafuge 16, Thermo Scientific	Perfect for clinical protocols, cell culture applications and microplate processing
Centrifuge	Heraeus, Megafuge 16R, Thermo Scientific	Perfect for clinical protocols, cell culture applications and microplate processing, the refrigerated version is designed for handling temperature-sensitive sample processing between - 10° and +40°C
Centrifuge	Heraeus, Refrigerated Biofuge	Versatile refrigerated high speed tabletop centrifuge. It allows different fixed-angle, swinging bucket and microplate rotor types to be spun at speeds up to 23,300 rpm (50,377 x g)
Mini Centrifuge	Mini Spin, Eppendorf	Capacity: 12 x 1.5/2.0 mL (adapters available for smaller tubes); Maximum RCF: 12,100 x g; Timer: 15 sec to 30 min

HOODS

Equipment	Model	Details
Sterile laminar flow cabinet	Clean air Techniek BV	It provides operator, product and environmental protection. Design with sloped window. Type EF/SB is a Class II biological safety cabinet

LINKAM

Equipment	Model	Details
Temperature Controlled Stages	Linkam scientific PE95 instrument and PE120 Peltier temperature controlled system	Linkam system controller capable of not only precision temperature control, but also moving precision stepper motors, displaying data from high resolution force transducers, humidity sensors, gas sensors and data streaming on to a live video feed

RAMAN

Equipment	Model	Details
Hand Held Raman Spectrometer	BW Tek NanoRam	Instrument for nondestructive identification and verification of materials such as APIs, excipients, intermediates, & finished products. Utilizing Raman technology, non-contact analysis can be performed through transparent containers, all while maintaining the volume and integrity of the sample

Sonicators

Equipment	Model	Details
Probe Sonicator	SANYO, Soniprep 150	It is a benchtop ultrasonic disintegrator enclosed in a purpose built chamber to reduce residual noise from sonication

Imaging Systems

Equipment	Model	Details
Transilluminator	UV-vis Lambda 25 UV Transilluminator	

Spectro-Fluoluminometers

Equipment	Model	Details
Nano Fluorospectrometer	Nanodrop Fluorospectrometer ND3300	Measures a wide variety of fluorescence assays and customizable applications. Sample size as small as 1µL. UV, blue and white LED excitation, covering a broad wavelength range. Ability to measure multiple fluorophores from a single sample. Spectral and quantitative data
Plate Reader	BMG Polarstar Plate Reader	This is a multifunctional microplate reader that supports a wide variety of applications and the following reading modes: fluorescence intensity and absorbance. Abs: 405, 450 and 595nmFluor: Ex:544, 410, 480, 330, 492 nm Em: 675, 460, 520, 575, 530, 570 nm

Protein Analyses

Equipment	Model	Details
Protein Electrophoresis and Blot System	XCell SureLock MiniCell	The XCell SureLock Mini-Cell allows you to run and blot minigels quickly, easily, and leak-free without any clamps or grease

Microscopes

Equipment	Model	Details
Light Microscope	Motic AE20	Biological Inverted Microscope. High N. A. Infinity colour corrected brightfield and phase contrast objectives; ergonomic layout of controls for comfortable viewing over extended periods; ideal for quick screening of Petri dishes, flasks, multiwell plates, slides
Light Microscope	Zeiss	Objective lenses: 5X, 10X, 20X, 40X, 60X, 100X

Liquid Chromatography

Equipment	Model	Details
FPLC System	Protein Purification Unit AKTA Start Purifier	AKTA start is an easy-to-use chromatography system that automates manual purification procedures using for example HiTrap columns. Easily purify your tagged proteins, antibodies, etc. Gain insights from real-time monitoring. Evaluate and share your purification results
HPLC System	Agilent HPLC 1200	The 1200 series achieves high levels of sample throughput by the use of quaternary pump, autosampler and module for fraction collection. The high pressure operation and the use of short columns with small diameter media result in fast, high resolution separations. COLUMNS: Bio-Sil 125-5, 300mm x 7.8 mm; Sepax Technologies 7.8 x 300 mm, 5µm; Sepax Technologies 7.8 x 50 mm, 5µm; Tosoh Bioscience 7.8 mm ID x 30, 0 cm

Incubators/Growth Chambers

Equipment	Model	Details
CO ₂ Incubators	Minigalaxy A	25-60 °C
Environmental chamber	SANYO Versatile Environmental Chamber	Unit suitable for a wide range of applications. The wide variety of temperatures and lighting patterns that are essential in research, environmental studies and testing can now be accurately reproduced and controlled
Oven Incubators	Binder	20-85 °C
Shaking Incubators	Innova 40 Bench Top	The Innova 40 incubated benchtop shakers provide years of dependable operation. The cast iron Eppendorf triple-eccentric counterbalanced drive is specifically designed to support highspeed applications and heavy workloads. Innova 40 incubated shakers provide very broad temperature capabilities for culturing a wide variety of organisms in flasks up to 3 liters
Shaking Incubators	Innova 44 and 44R Industrial Scale	The Innova 44 incubated and 44R incubated and refrigerated shakers are stackable solutions that provide very broad temperature capabilities for culturing a wide variety of organisms in flasks up to 5 L. The cast iron triple-eccentric counterbalanced drive is specifically designed to support high speed applications and heavy workloads
Oven Incubators	Heratherm, Thermo Scientific	5-75 °C; 100L