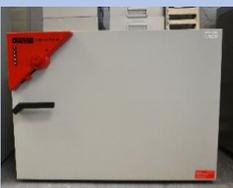
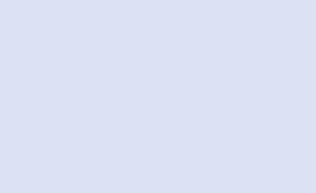
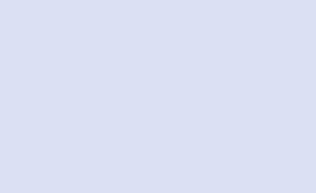
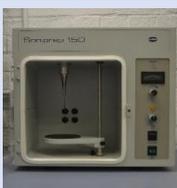


CATEGORY	EQUIPMENT	MODEL	PICTURE	DETAILS	LOCATION
3D PRINTERS	Desktop 3D printer	Formlabs Form2		A 250mW precision laser is guided by custom-built galvanometers, delivering big prints with spectacular detail. Tech Spec at https://formlabs.com/3d-printers/tech-specs/	W
AUTOCLAVES	Industrial scale autoclave	Priorclave		Top loading 100 L autoclave. Full standard cycle (121°C, 15 min) takes around 3 hours	G
AUTOCLAVES	Bench top autoclave	Astell bench top			W
BIOREACTORS	Bioreactor	Applikon 2 and 5L flask			G
CENTRIFUGES	Centrifuge	Sorvall RC3B Plus refrigerated centrifuge		Large capacity centrifuge. Analog 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	G
CENTRIFUGES	Mini Centrifuge	Galaxy 14D benchtop minifuge VWR		Up to 13,000 rpm/14000 g. Supplied with a fixed angle microtube rotor that is easily removed for cleaning and autoclaving. The rotor accepts 18x1.5/2.0 mL tubes	G
CENTRIFUGES	Centrifuge	Heraeus, Megafuge 16, Thermo Scientific		Perfect for clinical protocols, cell culture applications and microplate processing.	W
CENTRIFUGES	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.	W
CENTRIFUGES	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)	W

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CENTRIFUGES	Centrifuge	Refrigerated biofuge Fresco 21		The compact refrigerated Biofuge Fresco microlitre centrifuge even at maximum speed operated extremely quietly. Short acceleration and braking times ensure rapid sample processing. Typical capacities: 24 x 0.2-2ml tubes	W
CENTRIFUGES	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	W
HOODS	Fume cabinet	Fume cabinet			G
HOODS	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	G
HOODS	Sterile laminar flow cabinet	Microflow biological safety cabinet		Class II cabinet that provides operator and product protection.	G
HOODS	Sterile laminar flow cabinet	MSC Advantage, Thermo Scientific			W
IMAGING SYSTEMS	Gel Scanner	Image Scanner Amersham Biosciences			G
IMAGING SYSTEMS	Transilluminator	UV-vis Lambda 25 UV transilluminator			G
IMAGING SYSTEMS	Imaging system	ChemiDoc Touch, Bio-Rad		It provides fast, reliable, and sensitive imaging and documentation of gels and chemiluminescence western blots. This system is compatible with stain-free technology, chemiluminescence detection, and a wide range of gel stains such as ethidium bromide, SYPRO Ruby, Coomassie, and silver stains.	W

CATEGORY	EQUIPMENT	MODEL	PICTURE	DETAILS	LOCATION
INCUBATORS/ GROWTH CHAMBERS	CO2 incubators	Minigalaxy A		25-60 °C	G
INCUBATORS/ GROWTH CHAMBERS	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.	G
INCUBATORS/ GROWTH CHAMBERS	oven incubators	Binder		20-85 °C	G
INCUBATORS/ GROWTH CHAMBERS	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 high-speed 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.	G
INCUBATORS/ GROWTH CHAMBERS	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.	G
INCUBATORS/ GROWTH CHAMBERS	oven incubators	Heratherm, Thermo Scientific		5-75 °C; 100L	W
INCUBATORS/ GROWTH CHAMBERS	shaking incubators	MAXQ4450, Thermo Scientific		These versatile shakers are ideal for incubating a small number of vessels and are used for cell culture, solubility studies, extraction procedures, protein expression and many other applications.	W
INCUBATORS/ GROWTH CHAMBERS	shaking incubators	SI600, Stuart		115 Litre capacity available- Digital display for temperature and speed- Integrated timer- Unique retractable platform for easy loading and unloading- Angle adjustable accessory tube racks, with Magnetic coupling system available- Communications enabled for external temperature measurement	W
LINKAM	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.	G

CATEGORY	EQUIPMENT	MODEL	PICTURE	DETAILS	LOCATION
LIQUID CHROMATOGRAPHY	FPLC system	Protein purification unit AKTA start purifier		ÄKTA 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.	G
LIQUID CHROMATOGRAPHY	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	G
MICROBIOLOGY	Colony counter	Stuart, SC6PLUS		Touch pressure with felt tip marker on petri dish registers cumulative count on the digital display with confirmation by audible tone. The pressure required can be adjusted to suit each user. Averaging facility calculates average count over multiple plates. Counting results as well as useful statistics including SD can be sent directly to the accessory printer or to a computer via a USB cable supplied.	W
MICROSCOPES	Light Microscope	Motic AE20		Biological Inverted Microscope. High N. A. Infinity color-corrected brightfield and phase contrast objectives; ergonomic layout of controls for comfortable viewing over extended periods; ideal for quick screening of Petri dishes, flasks, multi-well plates, slides.	G
MICROSCOPES	Light Microscope	Zeiss		Objective lenses: 5X, 10X, 20X, 40X, 60X, 100X	G
MICROSCOPES	Fluorescent Microscope	Leica DM2500, DFC 3000G camera			W
MOLECULE INTERACTION	Surface plasmon resonance	Biacore 3000 SPR system		Biacore 3000 is the highest performance research system available for label free studies of biomolecular binding. Samples ranging from small molecules to crude extracts, lipid vesicles, viruses, bacteria and eucaryotic cells can be studied. Biacore 3000 answers questions about the speed, strength and specificity of binding and determines the active concentrations of components.	G
NANOTECHNOLOGIES	Laser system	Lotus Meta C1 30W YLPP		Power: 30 W; Wavelength: 1064 nm; Pulse duration: 0.15 ns, 1 ns, 2 ns and 5 ns	W
NANOTECHNOLOGIES	Soldering station with hot air for PCBs	AOYUE 968A+			W

CATEGORY	EQUIPMENT	MODEL	PICTURE	DETAILS	LOCATION
PARTICLE SIZE	Particle size equipment	Sympatec HELOS particle size analysis with laser diffraction		Particle size analysis with laser diffraction	G
PARTICLE SIZE	Particle size equipment	Sympatec RODOS		Dry dispersion for laser diffraction with vibrating feeder (VIBRI)	G
PROTEIN ANALYSES	Protein Electrophoresis and blot system	XCell SureLock™ Mini-Cell		The XCell SureLock Mini-Cell allows you to run and blot mini-gels quickly, easily, and leak-free without any clamps or grease.	G
PROTEIN ANALYSES	Zetasizer system	Malvern, NanoZS		It is used for the measurement of the size, electrophoretic mobility of proteins, zeta potential of colloids and nanoparticles, and optionally the measurement of protein mobility and microrheology of protein and polymer solutions. The high performance of the Zetasizer Nano ZS also enables the measurement of the molecular weight and second virial coefficient, A2, of macromolecules and kD, the DLS interaction parameter.	W
RAMAN	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.	G
SONICATORS	Probe Sonicator	SANYO, Soniprep 150		It is a benchtop ultrasonic disintegrator enclosed in a purpose built chamber to reduce residual noise from sonication.	G
SONICATORS	Bath Sonicator	EMMI-4		Ultrasonic baths can be used for cleaning or indirect contact homogenisation. Where direct contact ultrasonic homogenisation is inappropriate, ultrasonic baths allow gentle homogenisation (sonication) through the walls of, for instance, a plastic or glass tube.	W
SONICATORS	Probe Sonicator	Fisher Scientific, FB50			W
SPECTRO-FLUO-LUMINO-METERS	Cuvette Spectrophotometer	Jenway Genova spectrophotometer		Optimised for low volume analysis. The determination of DNA levels as low as 70ng with sample volumes as low as 20 µl is possible using the capillary sampling accessory. The Genova will automatically calculate ratios at 260/280 or 260/230 with an optional subtraction of a third wavelength (typically 320nm). Alternatively, pre-programmed factors allow direct readings of ssDNA, dsDNA, RNA and Oligonucleotides.	G

CATEGORY	EQUIPMENT	MODEL	PICTURE	DETAILS	LOCATION
SPECTRO-FLUO-LUMINO-METERS	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	G
SPECTRO-FLUO-LUMINO-METERS	Plate reader	Bio-Tek EL 808		It is a stand-alone microplate absorbance reader that can consistently provide flexibility, precision, and accuracy to your data analysis. The EL808 fits standard 96-well plates, and has a filter for absorbance at 405, 490, 550, 570, 600 nm. It uses a tungsten halogen light source and has a wavelength range of 380 to 900nm, a dynamic range of 0 to 4 OD and a resolution of 0.001 OD.	G
SPECTRO-FLUO-LUMINO-METERS	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	G
SPECTRO-FLUO-LUMINO-METERS	Cuvette Spectrophotometer	Novaspec Plus		Incorporates diode array technology for rapid wavelength scanning in a highly reliable and low-maintenance instrument suitable for general biotech laboratory use.	W
SPECTRO-FLUO-LUMINO-METERS	Nano Spectrophotometer	Implen Nanophotometer		The Implen NanoPhotometer spectrophotometer is a mobile, simple to use UV/Visible instrument with a CCD array detector with options ranging from nanovolume to standard cuvette and all-in-one solutions.	W
SPECTRO-FLUO-LUMINO-METERS	Plate reader	Synergy, HTX, Bio-Tek		UV-Vis absorbance, fluorescence and luminescence. For 6- to 384-well microplates and Take3™ Micro-Volume Plates.Low volume (2 µL) nucleic acid and protein quantification with Take3 platesCell-friendly shaking and incubationDual reagent injectors for inject/read assays	W