Science and Technology Facilities Council

Facilities & equipment list

Equipped laboratories at Sci-Tech Daresbury

Science and Technology Facilities Council provides specialist equipped laboratory facilities to give ambitious entrepreneurs, start-ups and SME's in biology and chemistry sectors the space and support to grow.

The equipped laboratories offer an affordable mechanism for businesses to access an impressive array of technologies, equipment and technical & business expertise on a flexible basis, reducing the risk associated with research and development.

In addition, companies benefit from locating on a leading science and innovation campus; accessing a world-renowned business address and a large and flourishing network of science and industry.

01 **BIOLOGY LABORATORIES**

02 **CHEMISTRY LABORATORIES**

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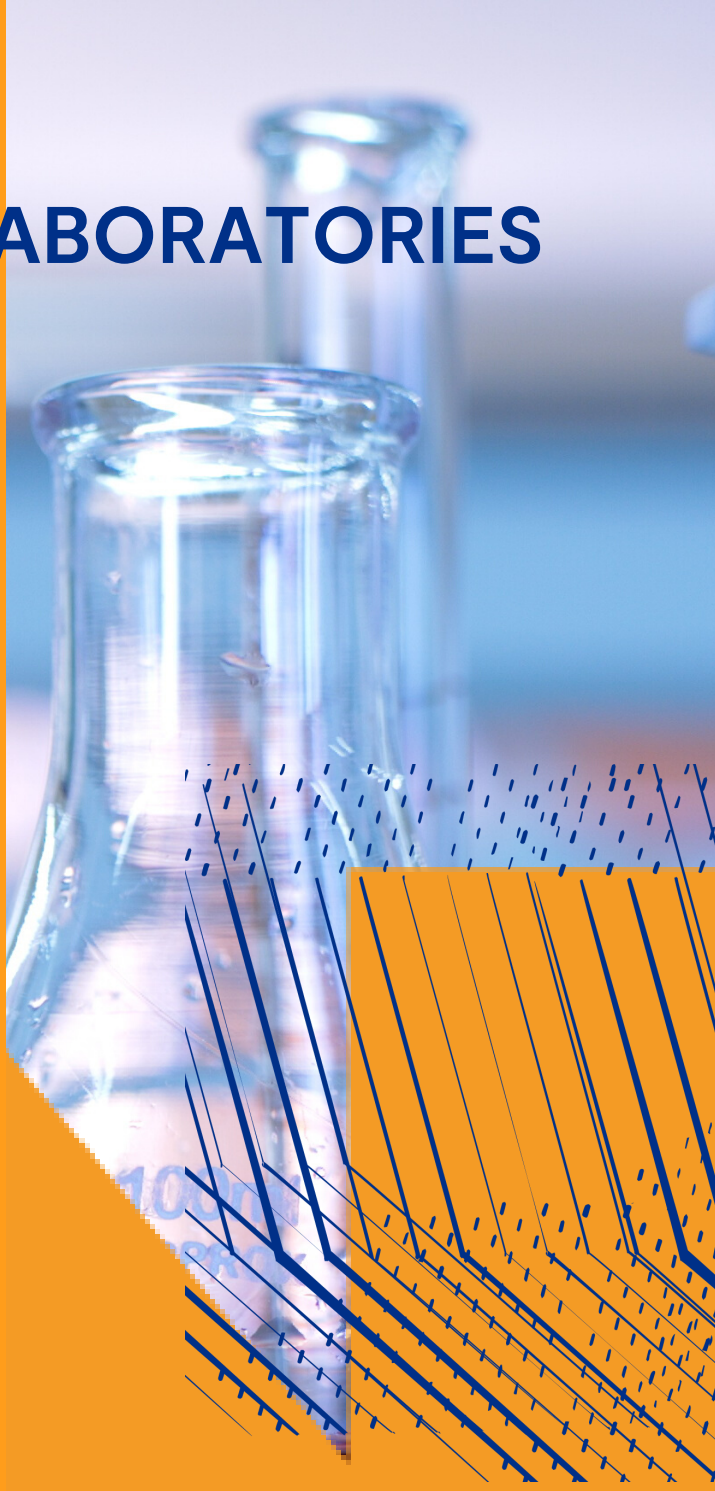
BIOLOGY LABORATORIES

Our biology laboratories are designed to support companies developing innovative ideas in biotechnology, health & life sciences, antimicrobials, medical diagnostics, sensor development and more.

All laboratories are Class II and functional for biological preparation. Equipment includes fume cupboards and safety cabinets, as well as a wide range of instrumentation suitable for the study of organic and microbiological specimens, including high specification analytical equipment for UV-VIS spectrophotometry and fluorimetry.

Analog Vortex Stirrer
Autoclaves (large autoclave & small bench top autoclave)
Balances
Heat Block
Centrifuges (a range of Beckman high speed and ultra-centrifuges as well as bench-top models (ultra and low speed are available)
Centrifuge Rotars
ChemiDocIt2 510 System (with UV to white converter plate)
Class 2 Bio Safety Cabinets
Cold Storage (-20°c Freezer; -80°c Freezer; 5°c Fridge)
Cooled Incubators
Deionised Water System (15 MΩ & 18 MΩ)
Drying Cabinet
Freeze Dryer (Heto Power Dry PL3000)
Hot Plate Stirrer
Ice Machine
Incubator
Light Boxes
Microbalances
Microplate Shakers
Microscopes
Orbital Shaker
Oven (30° - 240°)
Analogue Tube Rollers
Magnetic Stirrer
PCR (Applied Biosystems™ ProFlex™ 2 x 96-well PCR System, Range: 10-100µL)
Shaking Incubators (Multitron infors)
Sonicator
Sonication Water Bath
Spectroflurometer (Fluoromax Fluorolog 3 – with both ex and em double monochromators and a front facing mirror for turbid samples)
Synergy H1 Microplate reader
UV/VIS Spectrometer (Lambda 25 & Lambda PH Meter 35)
Water baths

02 CHEMISTRY LABORATORIES



Wet chemistry and materials laboratories are provided for companies working in sensor development, material chemistry, nanomaterials and more.

Laboratories are equipped with fume cupboards, glove boxes and deionised water, and also benefit from access to compressed air, CO2, nitrogen and natural gas. The suite of equipment includes essential laboratory apparatus, high precision analytical equipment and facilities for micro and nanofabrication and prototyping.

Centrifuges (2 Avante: 1 Ultra, 1 Bench top)
Cold Storage (-18 Freezer; -80 Freezer; 5°c Fridge)
Deionised Water System (15 MΩ & 18 MΩ)
Drying Cabinet
DSC 214 Polyma (differential scanning calorimeter)
FTIR (Perkin Elmer Spectrum two part two, Wavelength Range: 8,300 – 350 cm-1 optimized)
Fume Cupboards
HPLC (Waters 2695 Operations Module, Waters 2475 Multi λ Fluorescence Detector)
Microbalance
Microscopes (Olympus BH2-UMA (5 optic microscope) with light box; Keyence Digital Microscope)
Oven
pH Meter
SEM (Hitachi TM3030 & TM3000 table top Scanning Electron Microscope)
UV Spectrometer (Perkinelmer Lambda 35)
Vacuum Oven
X-Ray Powder Diffraction (LYNXEYETM detector for collection of high quality X-ray powder diffraction data with unprecedented speed. XFlash® 430 detector for simultaneous acquisition of X-ray powder diffraction and X-ray fluorescence data)

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Visit

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