

Pharmacy, Pharmacology and Clinical Science Research facilities

- NMR spectrometers (600 and 400 MHz)
- Inductive Coupled Plasma Optical Emission Spectrometer (ICP-OES)
- Triple Quadrupole Mass Spectrometer (LC-MS)
- Ultra High Performance Liquid Chromatography (UHPLC), HPLC-MS
- High Performance Liquid Chromatography (HPLC with UV and Fluorescence detectors)
- GC-MS (with various configurations)
- Elemental Analyser
- UV-Vis and fluorescent spectroscopy (including fibre-optic probes)
- Raman and Near InfraRed Spectrometers
- Capillary Electrophoresis
- Computational Chemistry Software.
- ATR-FT-Infra red spectroscopy
- Digital autoradiography/fluorimetric imaging
- Laser diffraction (dry and liquid dispersion)
- Spray size analysis (SprayTech)
- Impactor analysis (next generation, Anderson Cascade, twin stage impinger)
- Breath simulation
- Dissolution testing facilities
- Freeze-drying
- Spray-drying
- Blending
- Cell culture (primary and immortalized)
- Guava high throughput flow cytometer
- Magpix cytokine analyser
- Confocal fluorescence microscope
- Raman microscope
- Fluorescence microscopy
- Quartz crystal microbalance
- Bespoke equipment for assessing topical skin treatments such as decontamination, small animal inhalation exposure apparatus (which can also be used to evaluate performance of vapour / aerosol detectors)
- Histology laboratory
- Off-site, secure facility with access to CW agents.
- Category 2 microbiology laboratories, including a UKAS accredited environmental microbiology testing facility (the Biodet centre)
- Standard microbiology and molecular biology equipment, qPCR, fluorescent/confocal microscopy, FTIR, DGGE, luminometry
- Plant growth chambers
- Fermentation suite and anaerobic and photo growth facilities
- There is also potential to access category 3 facilities with appropriate lead times