



Ireland Facility Instrumentation

Liquid Chromatography

Agilent HPLCs (1100 and 1200)	15
Waters Acquity (UPLC)	1
HPLC Detectors, including:	
Ultraviolet (UV)	12
Fluorescence (FL)	2
Photodiode Array (PDA)	3
Multiple Wavelength	2
Evaporative Light Scattering (ELSD)	1
Refractive Index (RI)	1
Corona Charged Aerosol (CAD+)	1

Gas Chromatography

Agilent Gas Chromatographs (GC)	3
Headspace Autosampler	2
Transfer Line	1

Capillary Electrophoresis

Beckman ProteomeLab PA 800 Capillary Electrophoresis (CE)	1
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Elemental Analysis

Perkin Elmer Optima 3000 Inductively Coupled Plasma (ICP-OES) Spectrophotometer	1
Perkin Elmer Graphite Furnace Atomic Absorption Spectrometer	1
Varian Spectra AA 220FS	1
Thermo iCE3000 + GFS	1

Dissolution

Varian 7010 + Semi-Automated Sampling	4
Distek 2100B	1
Optimal	1

Spectrophotometry

Agilent 8453 UV	2
Nicolet Avatar 360 FTIR	1

Molecular Biology/Cell Biology/Virology

Cell culture laboratory with controlled access, equipped with HEPA filtration and BSL2 capabilities	1
Residual DNA suite with segregated controlled areas, equipped with HEPA filtration	1
Gel documentation system (Alpha Innotech Fluorochem FC2)	1
Applied Biosystem 7500 FAST qPCR system	1
Molecular Devices SpectraMax M5e Plate Reader	1
Ultra Low Freezers (Sanyo/Thermo)	2
Thermo Cryoplus 2 Vapour Phase Liquid Nitrogen Storage	1

Microbiology

Class A/B clean room	1
Skon PSI 4 glove hard walled Isolator with integrated VHP system	1
SARA M Airlock for Isolator	1
HIAC/Royco Particle Counter	1
Applied Biosystems Microseq 3130 Genetic Analyser	1



Microbiology (cont.)

Lonza Plate Reader ELx808LBS for Endotoxin quantitative techniques	1
Millipore Steritest Membrane Filtration Units	3
MMM 900 L Autoclave (porous and solution cycles)	1
MMM 450 L Autoclave (porous and solution cycles)	1
Assorted smaller laboratory autoclaves	3
AES Plate Pourers	2
Microbiology laboratories, equipped with HEPA filtration and BSL2 capabilities	1
Lonza system for performing Kinetic Turbidimetric/Chromogenic Endotoxin Tests	1

Stability

Walk-in Units	3
Stand Alone Units	7
Photostability Suntest CPS+	1
Photostability 16363	1

Miscellaneous

Bellingham Stanley RFM970 Refractometer	1
Karl Fischer Metrohm 831 Coulometric KF	1
Karl Fischer Metrohm 831 Coulometric KF with Oven Processor	1
Karl Fischer Metrohm 890 Volumetric	1
Karl Fischer Mettler Toledo DL38	1
Fraemer Disintegration	1
Bellingham Stanley ADP440 Polarimeter	1
Brookfield DV-II Pro Viscometer	1
Mettler Toledo T50 Autotrait	1
Barnstead 9200 Melting Point	1

Metrology

Perkin Elmer A2D Calibrator	1
Druck Pressure Calibrator	1
Jumo, Druck Pressure Transducer	7
Hydropalm Hygrometer	3
Spectrosense Light Meter/Sensors	1
Druck Manometer	1
Kaye SIM Boxes	6
Lutron Tachometer	3
Kaye Temperature Block	2
Kaye Validator 2000	2
Kaye Valprobes ValProbes Logger	22
Kaye Valprobe Reader	2
Colchester Vibration Meter	1
QLA Wobble Meter	1

Emission Spectrophotometry/Molecular Absorption

UV/VIS Spectrophotometer	3
Flame Atomic Absorption Spectrometer	1
Fournier Transport Infrared Spectrometer (FTIR), including ATR	1

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