

ECL Instrumentation Levels

Instrument Type	Instrument Name	Level
Analytical Balance	Ohaus EX124, Microbial	1
Analytical Balance	Ohaus EX124, Tissue Culture	1
Analytical Balance	Ohaus Pioneer PA124	1
Analytical Balance	Ohaus Pioneer PA224	1
Aspirator	HandVac Handheld Aspirator, Microbial	1
Aspirator	HandVac Handheld Aspirator, Tissue Culture	1
Blow Gun	Thumb Lever Blow Gun	1
Bottle Roller	Drum Roller	1
Bottle Roller	IKA Roller 6 digital	1
Conductivity Meter	SevenExcellence Conductivity	1
Cross-Flow Filtration	KrosFlo KR2i	1
Cross-Flow Filtration	KrosFlo KR2i Jr Drive	1
Cuvette Washer	Cuvette washer	1
Desiccator	102L Grande Desiccator Cabinet	1
Desiccator	45L Cabinet-Style Vacuum Desiccator	1
Desiccator	5.8L Glass Non-Vacuum Desiccator	1
Desiccator	59L Horizontal Dry-Keeper Desiccator Cabinet, Non-Electric	1
Dialyzer	SpectraFlo Process Dynamic Dialysis System	1
Dispenser	10 Liter Dispenser with Spigot	1
Dispenser	Dry Ice Chest	1
Dispenser	High Tech Schlenk Line	1

Instrument Type	Instrument Name	Level
Dispenser	LabMax 20 to 100 mL Bottle Top Dispenser	1
Dispenser	LabMax 5 to 25 mL Bottle Top Dispenser	1
Dispenser	Peak Scientific Zero Air Generator	1
Dispenser	Peanuts Bin	1
Dissolved Oxygen Meter	DO 2700 Benchtop Dissolved Oxygen Meter	1
Electrochemical Reactor	IKA ElectraSyn 2.0	1
Filter Block	Filter Block	1
Filter Block	Filter Membrane Housing, 142 mm	1
Freeze-Pump-Thaw Apparatus	High Tech FreezePumpThaw Apparatus	1
Freezer	Stirling Ultracold	1
Gas Flow Switch	Argon IntelliSwitch II	1
Gas Flow Switch	CO2 IntelliSwitch II Series 538	1
Gas Flow Switch	Nitrogen IntelliSwitch II	1
Gas Flow Switch	Nitrogen IntelliSwitch II Series 538	1
Heat Block	IKA HB Digital	1
Integrated Incubator	Inheco Incubator Shaker MP	1
Inverted Microscope	Bright Field Inverted Microscope	1
Lab Balance	D31P60BL	1
Lab Balance	Ohaus EX6202	1
Light Meter	UV512C Digital UVC Light Meter	1
Liquid Level Detector	Emerald Macro Volume Check for Carboys	1
Liquid Level Detector	Emerald Macro Volume Check for Large Bottles	1
Liquid Level Detector	Emerald Macro Volume Check for Small Vessels	1

Instrument Type	Instrument Name	Level
Liquid Nitrogen Dewar	500mL Dewar Flask	1
Liquid Nitrogen Dewar	850mL Dewar Flask	1
Liquid Nitrogen Dewar	Low Form Foam Dewar Flask	1
Microcentrifuge	Beckman Coulter Microfuge 20R	1
Microcentrifuge	Microfuge 16	1
Microcentrifuge	Sterile Microfuge 16	1
Microcentrifuge	Strip Mini-6K	1
Microwave	Sunbeam SGB8901	1
Needle Dryer	VWR 099A EV9612S	1
Nitrogen Tube Blower	TurboVap LV Evaporator	1
Osmometer	Vapro 5600	1
Oven	Thermo Fisher Large Oven	1
Peristaltic Pump	Dialysis KRJR Pump, 300 RPM	1
Peristaltic Pump	VWR Peristaltic Variable Pump PP3400	1
pH Meter	Mettler Toledo InLab Micro	1
pH Meter	Mettler Toledo InLab Reach 225	1
pH Meter	SevenExcellence (for pH)	1
Pipette	Eppendorf Research Plus P1000	1
Pipette	Eppendorf Research Plus P1000, Glove Box	1
Pipette	Eppendorf Research Plus P1000, Microbial	1
Pipette	Eppendorf Research Plus P1000, Tissue Culture	1
Pipette	Eppendorf Research Plus P2.5	1
Pipette	Eppendorf Research Plus P2.5, Glove Box	1

Instrument Type	Instrument Name	Level
Pipette	Eppendorf Research Plus P2.5, Microbial	1
Pipette	Eppendorf Research Plus P2.5, Tissue Culture	1
Pipette	Eppendorf Research Plus P20	1
Pipette	Eppendorf Research Plus P20, Glove Box	1
Pipette	Eppendorf Research Plus P20, Microbial	1
Pipette	Eppendorf Research Plus P20, Tissue Culture	1
Pipette	Eppendorf Research Plus P200	1
Pipette	Eppendorf Research Plus P200, Glove Box	1
Pipette	Eppendorf Research Plus P200, Microbial	1
Pipette	Eppendorf Research Plus P200, Tissue Culture	1
Pipette	Eppendorf Research Plus P5000	1
Pipette	Eppendorf Research Plus P5000, Glove Box	1
Pipette	Eppendorf Research Plus P5000, Microbial	1
Pipette	Eppendorf Research Plus P5000, Tissue Culture	1
Pipette	Eppendorf Research Plus, 12-channel 100uL	1
Pipette	Eppendorf Research Plus, 12-channel 100uL, Glove Box	1
Pipette	Eppendorf Research Plus, 12-channel 100uL, Microbial	1
Pipette	Eppendorf Research Plus, 12-channel 100uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 12-channel 10uL	1
Pipette	Eppendorf Research Plus, 12-channel 10uL, Glove Box	1
Pipette	Eppendorf Research Plus, 12-channel 10uL, Microbial	1
Pipette	Eppendorf Research Plus, 12-channel 10uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 12-channel 1200uL	1

Instrument Type	Instrument Name	Level
Pipette	Eppendorf Research Plus, 12-channel 1200uL, Glove Box	1
Pipette	Eppendorf Research Plus, 12-channel 1200uL, Microbial	1
Pipette	Eppendorf Research Plus, 12-channel 1200uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 12-channel 300uL	1
Pipette	Eppendorf Research Plus, 12-channel 300uL, Glove Box	1
Pipette	Eppendorf Research Plus, 12-channel 300uL, Microbial	1
Pipette	Eppendorf Research Plus, 12-channel 300uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 8-channel 100uL	1
Pipette	Eppendorf Research Plus, 8-channel 100uL, Glove Box	1
Pipette	Eppendorf Research Plus, 8-channel 100uL, Microbial	1
Pipette	Eppendorf Research Plus, 8-channel 100uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 8-channel 10uL	1
Pipette	Eppendorf Research Plus, 8-channel 10uL, Glove Box	1
Pipette	Eppendorf Research Plus, 8-channel 10uL, Microbial	1
Pipette	Eppendorf Research Plus, 8-channel 10uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 8-channel 1200uL	1
Pipette	Eppendorf Research Plus, 8-channel 1200uL, Glove Box	1
Pipette	Eppendorf Research Plus, 8-channel 1200uL, Microbial	1
Pipette	Eppendorf Research Plus, 8-channel 1200uL, Tissue Culture	1
Pipette	Eppendorf Research Plus, 8-channel 300uL	1
Pipette	Eppendorf Research Plus, 8-channel 300uL, Glove Box	1
Pipette	Eppendorf Research Plus, 8-channel 300uL, Microbial	1
Pipette	Eppendorf Research Plus, 8-channel 300uL, Tissue Culture	1

Instrument Type	Instrument Name	Level
Pipette	PIPETMAN P1000	1
Pipette	pipetus	1
Pipette	pipetus, Microbial	1
Pipette	pipetus, Tissue Culture	1
Pipette	Pos-D MR-100	1
Pipette	Pos-D MR-1000	1
Plate Sealer	Bio-Rad PX1 Plate Sealer	1
Recirculating Pump	Isotemp 3016	1
Recirculating Pump	RC5 Basic	1
Recirculating Pump	VWR 1160A	1
Shaker	Burrell Scientific Wrist Action Shaker	1
Shaker	Enviro-Genie	1
Shaker	Enviro-Genie	1
Shaker	Genie Temp-Shaker 300	1
Shaker	GyroTwister with Precision Low Temperature BOD Refrigerated Incubator	1
Shaker	Incu-Shaker 10L	1
Shaker	MINISTAR 40 with AHP-1200DCP Hot Plate	1
Shaker	MINISTAR 40 with C-MAG HS 7 Hot Plate	1
Shaker	Torrey Pines Orbital Mixer	1
Sonicator	Branson 1510	1
Sonicator	Branson 1510 With myTemp 65 L Incubator	1
Sonicator	Branson CPXH 3800	1
Sonicator	Branson MH 5800	1

Instrument Type	Instrument Name	Level
Sonicator	Qsonica Q700MX	1
Sonicator	SFX550 Sonifer with AHP-1200CPV	1
Sparging Apparatus	High Tech Sparging Apparatus	1
Sterilization Indicator	Attest Auto-reader 390	1
Syringe Pump	NE-1010 Syringe Pump	1
Tachometer	Extech 461995	1
Vacuum Degasser	High Tech Vacuum Degasser	1
Vacuum Manifold	12-port Vacuum Manifold	1
Vacuum Pump	Rocker 300	1
Vacuum Pump	Rocker 300 for Filtration, Non-sterile	1
Vacuum Pump	Rocker 300 for Filtration, Sterile	1
Vacuum Pump	Savant VP 100	1
Vacuum Pump	VACSTAR Control	1
Vacuum Pump	VACSTAR Digital	1
Vacuum Pump	Welch 2030B-01	1
Vapor Trap	RVT5105-115	1
Vapor Trap	Titan VaporTrap	1
Vertical Lift	Ambient MC25D-5500 VLM	1
Vertical Lift	Cold MA25-5300 VLM	1
Vortex	20 mm Bottle Vortex Genie	1
Vortex	35 mm Bottle Vortex Genie	1
Vortex	Digital Disruptor Genie	1
Vortex	Microplate Genie	1

Instrument Type	Instrument Name	Level
Vortex	Microplate Incu-Mixer MP4	1
Vortex	Multi Tube Vortex Genie 2	1
Biosafety Cabinet	Baker B60-112	2
Biosafety Cabinet	Thermo Scientific 1300 Series Class II, Type A2 Biosafety Cabinet (Microbial)	2
Biosafety Cabinet	Thermo Scientific 1300 Series Class II, Type A2 Biosafety Cabinet (Tissue Culture)	2
Centrifuge	Avanti J-15R	2
Centrifuge	Avanti J-15R with JA-10.100 Fixed Angle Rotor	2
Centrifuge	Eppendorf 5920R	2
Centrifuge	Sterile Avanti J-15R	2
Darkroom	MultiDoc-It Imaging System	2
Density Meter	DMA 5000 Density Meter	2
Dispenser	Peak Scientific Hydrogen Generator, 1200mL/min	2
Dispenser	UltraDoser	2
Freezer	Electrolux FFU21M7HW	2
Freezer	ICECO GO12	2
Freezer	ICECO GO20 Portable Refrigerator	2
Freezer	LAB RepCo -40c Portable Freezer	2
Freezer	So-Low U85-13	2
Freezer	Stirling UltraCold SU780UE	2
Freezer	XtremepowerUS Portable Cooler Freezer	2
Fume Hood	Labconco Premier 5 Foot	2
Fume Hood	Labconco Premier 6 Foot	2
Fume Hood	Labconco Premier 8 Foot	2

Instrument Type	Instrument Name	Level
Fume Hood	Labconco XL Floorstanding 4 Foot	2
Fume Hood	Unchained Purge Box	2
Heat Block	AHP-1200CPV	2
Heat Block	Cole-Parmer StableTemp Digital Utility Water Baths, 10 liters	2
Heat Block	Thermal-Lok 2510-1104	2
Liquid Level Detector Robotics	VolumeCheck 100	2
Liquid Level Detector Robotics	VolumeCheck 384	2
Liquid Level Detector Robotics	VolumeCheck 50	2
Lyophilizer	Advantage Pro EL Freeze Dryer	2
Microbalance	Mettler Toledo XP6	2
PCR Thermocycler	Automated Thermal Cyclers	2
Positive Pressure Processor	MPE2	2
Sample Imaging Robotics	Emerald DSLR Camera Imaging Station	2
Sample Imaging Robotics	Vision M3 Sample Imager	2
Water Purifier	Elix Advantage 15	2
Water Purifier	Elix Advantage 15 for Dishwasher	2
Water Purifier	MilliQ Integral 3	2
Analytical UPLC (UV/Vis PDA)	Waters Acquity UPLC H-Class PDA	3
Analytical UPLC (UV/Vis PDA)	Waters Acquity UPLC I-Class PDA	3
Autoclave	Unisteri 559-1ED	3
Bio Layer Interferometer	Octet Red96e	3
Buffer Prep Robotics	BufferbotV0	3
Capillary Dynamic Scanning Calorimeter (DSC)	MicroCal VP-Capillary	3

Instrument Type	Instrument Name	Level
Capillary Enzyme-Linked Immunosorbent Assay (ELISA)	Ella	3
Cell Freezing Robotics	VIA Freeze Research	3
Cell Thawing Robotics	ThawSTAR	3
Commercial Dishwasher	1600 LXP Ultima	3
Commercial Dishwasher	Miele G7883CD	3
Cryostore	Brooks CryoPod Portable Cryogenic Freezer	3
Cryostore	Custom Biogenics V-1500	3
Custom Condition Incubator	Multitron Pro with 25mm Orbit	3
Custom Condition Incubator	Multitron Pro with 3mm Orbit	3
DNA Synthesizer	ABI 3900	3
Epifluorescence Microscope	Ti-E Inverted Microscope	3
ESI Mass Spectrometer	Xevo G2-XS QTOF	3
ESI-QQQ MassSpectrometer	QTRAP 6500	3
Fast Protein Liquid Chromatography (FPLC) Instrument	AKTA avant 150	3
Fast Protein Liquid Chromatography (FPLC) Instrument	AKTA avant 25	3
Fast Protein Liquid Chromatography (FPLC) Instrument	AKTApurifier UPC 10	3
Flash Chromatography System	CombiFlash Rf 200	3
Flow Cytometer (Counting)	SE500	3
Fluorescence Plate Reader (w/Injectors)	FLUOstar Omega	3
Fluorescence Plate Reader (w/Polarization)	PHERASTAR FS	3
GC-MS	Agilent 5977B Mass Selective Detector for GC	3
Gel Electrophoresis Robotics	Ranger	3
Genetic Analyzer	SeqStudio	3

Instrument Type	Instrument Name	Level
GloveBox	NexGen Glove Box	3
HPLC	Waters Acquity UPLC H-Class ELS	3
HPLC	Waters Acquity UPLC H-Class FLR	3
Incubator	Bactomat HERAcell 240i TT 10 for Bacteria	3
Incubator	Bactomat HERAcell 240i TT 10 for Yeast	3
Incubator	Benchmark myTemp 65L	3
Incubator	Cyтомat HERAcell 240i TT 10	3
Incubator	Incufridge Refrigerated Incubator 33 L	3
Incubator	Innova 44 for Bacterial Flasks	3
Incubator	Innova 44 for Bacterial Plates	3
Incubator	Innova 44 for Yeast Flasks	3
Incubator	Innova 44 for Yeast Plates	3
Incubator	Precision Low Temperature Refrigerated Incubator	3
Integrated High Speed Centrifuge	HiG4	3
Integrated Incubator	STX44-ICBT with Humidity Control	3
Integrated Incubator	STX44-ICBT with Shaking	3
Ion Chromatography System	Dionex ICS 6000	3
Ion Chromatography System	Dionex ICS 6000 with Electrochemical and UV/Vis Detector	3
IR Spectrophotometer	Bruker ALPHA	3
MALDI Mass Spectrometer	Microflex LT	3
Microfluidic UV/Vis Spectrometer	Lunatic	3
Multimode Spectrophotometer	Uncle	3
Plate Pourer	Serial Filler	3

Instrument Type	Instrument Name	Level
Plate Reader	CLARIOstar	3
Post-Processing Robotics	ELISA NIMBUS Microplate Washer	3
Post-Processing Robotics	Hamilton Nimbus HD	3
Post-Processing Robotics	Hamilton STARlet	3
ProteinCapillaryElectrophoresis	Maurice	3
Real Time PCR Thermocycler	ViiA 7	3
Rotary Evaporator	RV10 Auto Prov V	3
Semi-Preparative HPLC	UltiMate 3000	3
Semi-Preparative HPLC	UltiMate 3000 with FLR Detector	3
Semi-Preparative HPLC	UltiMate 3000 with MALS-DLS-RI Detector	3
Semi-Preparative HPLC	UltiMate 3000 with PCM Detector	3
Solid Dispenser	Quantos Dosing System	3
Solid Phase Extraction Robotics	GX-271 for Solid Phase Extraction	3
Solid Phase Synthesis Robotics	GX-271 for Solid Phase Synthesis	3
Speed Vac	Genevac EZ-2.3 Elite	3
Speed Vac	Savant SPD2030	3
Tensiometer	Kibron Delta 8 Tensiometer	3
UV/Vis Spectrophotometer (w/Melting)	Cary 3500	3
UV/Vis Spectrophotometer (w/Melting)	Reader96	3
Viscometer	Rheosense VROC Initium	3
Western Blotting Robotics	Wes	3
500Mhz NMR	Ascend 500	4
Acoustic Liquid Handler	Labcyte Echo 650	4

Instrument Type	Instrument Name	Level
Colony Picker	QPix 420 HT	4
ddPCR	Bio-Rad QX One	4
Gas Chromatography	Agilent 8890 GCMS	4
Organic Synthesis (milligram scale)	ReactorV0	4
Peptide Synthesizer	Symphony X	4
Raman Spectrophotometer	THz Raman WPS	4
Robotic Liquid Handler	STAR	4
Robotic Liquid Handler	Sterile STAR	4
Robotic Liquid Handler	Super STAR	4
Supercritical Fluid Chromatography	Waters UPC2 PDA QDa	4
X-Ray Diffractometer	XtaLAB Synergy-R	4