

Shared Laboratory Equipment

Autoclaves

- **Yamato SM300.** 32L capacity
- **Tuttnauer Brinkmann 2540E.** 23L capacity

Biological Safety Cabinets

- **Fisher Hamilton SafeGard Class II.** 4 ft. with vacuum trap
- **Nuaire Class II/A.** 6 ft.
- **Labconco Logic 3440001.** 4 ft with vacuum trap

Cell Counting

- **Beckman Coulter Vi-CELL XR 1042328.** Cell viability analyzer

Centrifuges

- **Beckman Coulter Avanti J-E.** Floor model refrigerated centrifuge (Rotor JA25.50)
- **Beckman Coulter Allegra 21R.** Table top refrigerated centrifuge (Rotor S4180)
- **Fisher Sorvall ST40R.** Table top refrigerated centrifuge (75003607 & 75003624-wellplate Rotor)
- **Eppendorf 5418.** Microtube centrifuge (Rotor FA-45-18-11)
- **Costar MiniCentrifuge.** Quick spin centrifuge

Chemical Storage

- **Flammable Cabinets**
- **Acid Cabinets**
- **Base Cabinets**

Chromatography (HPLC)

- **Shimadzu HPLC.** System controller CBM-20A, Pump LC20-AT, Autosampler SIL-20AHT, Degasser DGU-20A5, UV/Vis Detector SPD-20A

Dishwashers

- **Labconco Flaskscrubber 4420330.**
- **Labconco Flaskscrubber 4420320.**

Freezers and Refrigerators

- **Fisher Scientific Isotemp 20EREEFSA.** Explosion proof refrigerator
- **Fisher Scientific Isotemp 13-986-153.** Explosion proof refrigerator
- **Fisher Scientific R134A.** -20°C
- **Fisher Scientific Revco Legaci ULT1786-3-A40.** -80°C
- **Fisher Scientific Revco ExF 32086A.** -80°C
- **Frigidaire home-type refrigerator/freezer.** 4°C/-20°C

Fume Hoods

- **Three Labconco XL Protector 11160000023806.**

Imaging

- **Protein Simple Fluor Chem E.** Gel imaging system, digital darkroom

Incubators

- **Fisher Scientific Isotemp 3532.** Water jacketed CO₂ incubator
- **Fisher Scientific Isotemp FFCO300RDABC.** Water jacketed CO₂ incubator
- **Nuaire IR Autoflow NU-8700.** Water jacketed CO₂ incubator
- **Amerex Gyromax 703.** Incubator shaker
- **New Brunswick Scientific Excella E 24.** Incubator shaker
- **Thermo Scientific Heratherm IGS100.** Microbiological Incubator

Microscopes

- **Motic AE 2000.** Trinocular inverted microscope. Wireless pic sharing
- **Fisher Scientific Stereomaster Zoom.** Stereomicroscope
- **Leica S6E.** Stereomicroscope

pH meter

- **Fisher Scientific AB15 ACCUMET Basic.** pH meter

PCR

- **Eppendorf Mastercycler Gradient.** Thermocycler
- **Air Clean Systems 600.** PCR workstation 3 ft

Sample drying

- **Fisher Scientific Savant ISS 110-115.** SpeedVac, concentrator
- **Buchi R-210.** Rotavap System B-491, Heating bath, V-850 Vacuum controller, V-700 Vacuum pump
- **Labconco FreeZone 4.5 Plus 7386021.** Freeze dry system, lyophilizer

Sample heating & mixing

- **Two Microwave ovens**
- **VWR Economy 1326.** Gravity oven
- **Two Fisher Scientific Vortex**
- **Two Fisher Scientific SP88857100.** 7x7 hot plate and stirrer.
- **TestEquity 115.** Temperature Chamber

Sonication bath and hot plates, stirrers

- **Branson 2510.** For sample mixing, dissolution, dispersion, de-gassing, cleaning, etc.

Spectrometry

- **Perkin Elmer LAMBDA 25.** UV/Vis spectrometer
- **Perkin Elmer Spectrum 100.** FTIR spectrometer

Waste Management

- **Biomedical waste disposal monthly**
- **Chemical and hazardous waste disposal upon request**

Water Baths

- **Fisher Scientific 110.** Water bath
- **Fisher Scientific SWB25.** Water bath and shaker

Water and ice

- **Type 1 deionized water.** ~18 Megaohm, 0.2 micron and UV-treated
- **Hoshizaki F-500BAF.** Ice machine

Weighing

- **Mettler Toledo PL 602-S** - to 610 g/0.01 g
- **Mettler Toledo AL 104** - to 110 g/0.0001 g
- **Mettler Toledo AB 135** – to 120 g/0.00001 g
- **Ohaus Scout SPX 422** – to 420 g/0.01 g
- **TA Instruments TGA Q50.** Thermogravimetric analyzer
- **BigNeat Excel Plus 1004.** Powder weighing station (hood)

For additional information
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