

# USF CONNECT

## Shared Laboratory Equipment

### Autoclaves

- Yamato SM300. 32L capacity
- Tuttnauer Brinkmann 2540E. 3L capacity
- Steris AMSCO 250LS

### Biological Safety Cabinets

- Fisher Hamilton SafeGard Class II. 4 ft.
- Nuair 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 (Rotor 75003607 and well-plate rotor)
- Eppendorf 5418. Microtube centrifuge (Rotor FA-45-18-11)
- Eppendorf 5425. Microtube centrifuge
- 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 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 CO<sub>2</sub> incubator
- Fisher Scientific Isotemp FFCO300RDABC. Water jacketed CO<sub>2</sub> incubator
- Nuair IR Autoflow NU-8700. Water jacketed CO<sub>2</sub> incubator
- Amerex Gyromax 703. Incubator shaker
- New Brunswick Scientific Excella E 24. Incubator shaker

- **Thermo Scientific Heratherm IGS100.** Microbiological Incubator

### Microscopes

- **Motic AE 2000.** Phase contrast, 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
- **Fisher Scientific Vortex (2 ea.)**
- **Fisher Scientific SP88857100.** 7"x7" hot plate and stirrer (2 ea.)
- **TestEquity 115.** Temperature Chamber

### Sonication bath

- **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**
- **Chemical, sharps and other hazardous waste disposal**

### 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 120g/0.00001 mg
- **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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