

Lab Instruments and Equipment
Analytical Chemistry
Soluble Organic Concentrator, Separation Engineering, 2-1/2" model 10380
Balances and Scales
Balance, Cahn Model 31 micro electro balance, RS232, 1250mg/10ug; 250mg/1ug, 25mg/0.1ug
Balance, Mettler AE-240, 41g/0.01mg 205g/0.1mg
Balance, Mettler Model PM4600, RS232, top-loading, delta range, 3600g or 600g/0.1g
Balance, Mettler-Toledo AG204DR, 0-210g in 0.1mg
Balance, Mettler-Toledo XP26DR 0-22g capacity, 0.002mg
Balance, Mettler-Toledo PG4002-SDR, 0-5100g capacity, 0.001/0.01g
Balance, Mettler-Toledo XS205DU 0-220g capacity, 0.001/0.01g
Balance, Mettler-Toledo XS6002S 1200-6100g capacity, 0.01g
Balance, Ohaus model C305-S, 300g capacity
Balance, Ohaus Model D-5 top loading balance, portable, 20kg max
Balance, Ohaus triple beam balance, 700 series
Spring scale, Homs, with zero adjustment, 200g x 2g
Spring scale, Homs, with zero adjustment, 1000g x 10g
Spring scale, Pesola, with zero adjustment, 2500g x 50g
Spring scale, Pesola, with zero adjustment, 10kg x 100g
Spring scale, Pesola, with zero adjustment, 20kg x 250g
Spring scale, Ohaus, 2000g x 250g
Spring scale, Ohaus, 500g x 20g
Spring scale, Ohaus, 250g x 10g
Weight set, reference, 1-1000mg
Weight set, reference, 1-1000g
Centrifuges
Centrifuge, Beckman J2M1, refrigerated, -20 to ambient, 17K RPM. Select rotors:
Request rotor adaptors in the comments sections and tubes and caps in the consumables section
Rotor, JA-10, fixed 10K RPM, 6 x 500 mls
Rotor, JA-14, fixed 14K RPM, 6 x 250 mls
Rotor, JA-17, fixed 17K RPM, 14 x 50 mls
Rotor, JS-13.1, swing 13K RPM, 6 x 50 mls
Centrifuge, Beckman TLX, Benchtop ultra-high speed 120K RPM. Select rotors:
Request rotor adaptors in the comments sections and tubes and caps in the consumables section
Rotor, TLA-100.3, 6 x 3.5 ml 100K RPM
Rotor, TLN-100, 8 x 3.9 ml 100K RPM
Rotor, TLS-55, 4 x 2.2 ml 55K RPM
Centrifuge, Beckman XL-80 Ultra, refrigerated, 80K RPM. Select rotors:
Request rotor adaptors in the comments sections and tubes and caps in the consumables section
Rotor, SW-28 swinging bucket, 28K rpm max, 6 x 39 mls
Rotor, Type 50.2 Ti, 50K RPM max., 12 x 39 mls
Rotor, Type 70.1 Ti, 70K RPM max., 12 x 13.5 mls
Rotor, Type SW 41 Ti, 41K max., 6 x 13.2 ml
Centrifuge, Beckman-Coulter Allegra 6R

ROTOR GH-3.8A FOR ALLEGRA 6R CENTRIFUGE, PN 366650
Centrifuge, Clay Adams Dynac II, Model 101. Select rotors:
Angle head 0085, 2.4K RPM max., 4 x 50 mls
Angle head 0091, 2.4K RPM max., 24 x 15 mls
Bucket head 0065, 2.3K RPM max., 4 x 100 mls
Bucket head 0065, 2.3K RPM max., 8 x 15 mls
Bucket head 0085, 2.7 RPM max, 4 x 50 mls
Centrifuge, LW Scientific M24 24-place Microhematocrit Centrifuge (request Capillary Tubes
Zipocrit Portable Microhematocrit centrifuge, USE MYLAR COATED CAPILLARY TUBES ONLY (request separately)
Centrifuge, Savant SpeedVac AES2010, for solvent evaporation, sample concentration and drying. Select rotors:
Rotor, RH50-2860, 60 x 20 ml scint vials
Centrifuge, Savant SpeedVac model DNA100, concentrator, can trap organics and water vapor.
Rotor, RD24, 24 x 1.5 mls
Rotor, RD48 48 x 0.5 mls
Microcentrifuge, Eppendorf 5415C benchtop microcentrifuge, 1-14kRPM, 18 place 1.5ml vial rotors (request tubes separately)
Microcentrifuge, Eppendorf 5415D benchtop microcentrifuge, 1-13200RPM, digital, 24 place 1.5ml vial rotors (request tubes separately)
Chromatography
Column, 25mm ID, glass (order ends in Materials section)
Column, 50mm ID, glass (order ends in Materials section)
Column, 25mm ID x 1200mm L, glass, LH-20 (order ends in Materials section)
Column, 50mm ID x 1200mm L, glass, LH-20 (order ends in Materials section)
Column Heater, Eppendorf Model CH-30
Fraction Collector, autosampler, Perkin-Elmer Model A40
Fraction Collector, Gilson, Model FC-204, uses 1 rack
Fraction Collector, Gilson, Model FC-205, uses 4 racks
Rack for Gilson FCs, Poly, Code 24, [14] 20ml scint vials
Rack for Gilson FCs, Poly, Code 21, [60] 13 x 100mm tubes
Rack for Gilson FCs, Homemade Poly, Code 22, [44] 13 x 100mm tubes
Rack for Gilson FCs, Poly, Code 23, [44] 6.8ml scint vials
Rack for Gilson FCs, Steel, Code 29LE, [60] 1.5ml Eppendorf tubes
Fraction Collector, Isco Foxy
Gas Chromatograph, Agilent 6890N (request gases and columns separately)
High Performance Liquid Chromatograph, Hewlett-Packard Model 1100, with Degasser (G1315A), autosampler (G1329A) (manual sampler, G1328A, also available), thermostatted column compartment (G1330B/G1316A), quaternary pump (G1311A), variable wavelength detector (G1314A), diode array detector (G1315A), and fluorescence detector (G1321A)
High Performance Liquid Chromatograph, Hewlett-Packard Model 1200, with Preparative Pump (G1361A), autosampler (G2260A) (manual sampler also available), thermostatted column compartment (G1316A), diode array detector (G1315D)
Electrochemistry

Meter, conductivity, YSI model 3200, temperature compensated (request standards in the Nonstocked Materials section)
Probe, conductivity cell, YSI 3254 model C, fill style, K=1.0/cm
Probe, conductivity cell, YSI 3253 model B, dip style, micro cell, K=1.0/cm
Meter, Dewpoint microvoltmeter, Wescor model HR-33T with sample chambers (request consumables and standards in the Nonstocked Materials section)
Meter, Moisture, Dynamax TH20, for soil
Meter, pH, VWR SympHony SP90M5 with pH electrode, dissolved oxygen electrode and conductivity electrode; order consumables and standards in the Nonstocked materials section
Osmometer, vapor pressure, Wescor 5500, 0-1999 mmol/kg (order consumables and standards in the nonstocked Materials section)
Oxygen monitoring system, fiber optic, INSTECH Model 210
Refractometer, AO Model 10419, temperature compensated
Respirometer, oxygen/CO2 analyzer system, Applied Electrochemistry Sable/Ametek Model S-3A/I with N-22M oxygen sensor, R-flow controller, Li-Cor LI-6251 CO2 analyzer and Sierra sidetrack flow controller, complete Sable Systems DAS
Salinometer, Guildline portasal model 8410, portable (request seawater standards in Nonstocked Materials section)
AquaMedic Aquarium CO2 Regulation System
Electrophoresis
Camera, Electrophoresis System, Polaroid MP4+, system with tungsten lamps, baseboard and universal camera mount. Polaroid camera and 135mm lens included, instant or negative processing. Request film separately.
Camera, Electrophoresis, Polaroid Model FB-PDC-34
Camera, Epi Gel Documentation System, Kodak Digital EDAS 290, with macro photography kit, TFM-30 transilluminator, DC290 digital camera. Can also be used for microscope work
Cell, Bio Rad, Minisub
Sub Cell Model 96 cell, includes casting gates, gel caster, 25x10 UVTP Tray, 26 and 51 well combs and 1 comb holder
Fisher Scientific 10x10 cm Vertical Gel Chamber, includes Chamber Gaskets; 4 clamp assemblies; Gel caster; 4 blank, 2 notched glass plates; 2 notched alumina plates
Fisher Scientific 16x14 cm Vertical Gel Chamber, includes Gaskets; 4 clamp assemblies; gel caster; 4 blank and 2 notched glass plates
Fisher Scientific 20x20cm Vertical Gel Chamber, includes Gaskets; 4 clamp assemblies; 4 blank and 4 notched glass plates
HE 99X Max Submarine Unit, includes 15 x 20 cm gel casting kit (casting tray and running tray), 15-well comb 1.5 mm thick and comb back.
40-tooth, 1.5mm thick combs, and well visualization strips, would need to buy casting box and gates separately
Electroporation system, Bio Rad Gene Pulser II w/ Pulser Controller and Capacitance Extender
Gel air dryer, Easy Breeze, Hoeffler Model SE-1200
Gel slab dryer, Bio Rad Model 224
Light box, IFR model 11-17, with variable control cool lighting
Light System, transilluminator, Fotodyne Model 3-3000
Light system, Transilluminator, Ultra-Lum Model

Light System, UV crosslinker, Multilinker, Ultra-Lum Model UVC-515
Light system, UV/Vis, Fotodyne Model 3-4700
Light System, Variquest Model UV470
PCR Thermal controller, MJ Research, PTC-100-60 programmable, with hot bon net, internal controller and sample tube probe (request consumables separately)
PCR Thermal controller, Thermo Hybaid PCR Express, subambient thermocycler, 4-99C, for use with microcentrifuge vials (request consumables separately)
Photo baseboard and rack, Fotodyne
Power Supply, BioRad 250/2.5, 250V
Power Supply, E-C Apparatus Corp Model EC500, 2000V
Power Supply, Gelman Model 38206, 500V
Power Supply, Gelman Model 38520, Deluxe, 500V
Power Supply, Grass Instruments stimulator Model SMD9EF
Power Supply, Hoeffler Scientific, PS-500X, 500V
Power Supply, ISCO Model SRC, regulated
Power Supply, MRA Corp M158, 2000VDC
Power Supply, MRA Corp M161, 4000V, 2000W
timer
Environmental Chambers
Block Heater, Labline model 2097-4, 4 block capacity, 2 ranges to 130C
Chiller, Thermo Neslab CC65 Immersion Cooler, -60 to -20C, with external probe
Circulator, Immersion, Braun Thermomix 1419
Circulator, Immersion heater/circulator, Fisher & VWR
Evaporator, Buchi RE 121, Rotovap
Evaporator, Pierce Reacti-therm, with Reacti-vap Model 18780
Freeze Drier, Virtis 25EL
Freeze Dryer, Virtis Freezemobile 3, 12-port
Hood, Laminar Flow, Baker Space Saver IV-22, removable bar, germicidal light
Hood, Laminar Flow, Bellco 8041-8300, benchtop with germicidal light
Hood, Fume, Labconco conventional, permanent, located in Labs 3, 4 (rad lab), 7, 8 and 10
Incubator, Millipore model 6665-00-682-4765, bacteriological, 27-60C, for field water testing
Incubator, VWR, agitating, bacteriological, benchtop unit, includes one rack for 15 ml tubes and one rack for 50 ml tubes
Incubator, Hach bacteriological, benchtop
Light banks, aquarium (homemade)
Oven, Blue M OV-472 A-2, Stabil-Therm
Oven, Blue M Incubator, Model 200A, 35-65 degrees, dry type, bacteriological, gravity convection
Oven, Fisher Forced Air Iso-Temp, Model 615F, 1.5cu.ft
Oven, Fisher Forced Air Iso-Temp, Model 650G, 5cu.ft
Oven, GE, microwave
Oven, NAPCO Mechanical Model 401, for rad van use
Sandbath / Frame Warmer, AO
Waterbath, Fisher versa-bath, ambient to 60C, 6.0L
Waterbath, Labline Model 26103, Tissue Float Lowboy, ambient - +70C, 2.3L
Waterbath, Neslab RTE, circulating, -25 to 150C, 5L (request glycol separately)

Waterbath, Neslab RTE, circulating, -20 to 100C, 12L (request glycol separately)
Waterbath, Neslab RTE-17, digital circulating, -22 to 150C, 17.0L (request glycol separately)
Waterbath, Neslab RTE-7, digital, circulating, -25 to 150C, 7.0L (request glycol separately)
Waterbath, Neslab RTE-740, digital circulating, -40 to 200C, 7.0L (request glycol separately)
Waterbath, VWR Circulating, -25C to 150C; 28 Liter
Waterbath, New Brunswick G76, heated/shaking, with clamps for 25, 125 and 250ml flasks
Waterbath, open, acrylic, 21.0L
Waterbath, Precision Model 183, heated to 100°C, 11.0L
Waterbath, Precision RDL 20
Waterbath, Yamoto YB-521, heated shaking bath
Microscopy
Camera, Microscopy, Sony DXC-390 3CCD, allows real time, still or video
Camera, Zeiss MC35 with winder and MC63 control box, 35mm analog (request film in Stocked Materials section)
Camera, Zeiss MC80, 35mm analog (request film in Stocked Material section)
Compound, Nikon E800 with PLAN FLUOR objectives, phase contrast, epifluorescence (DAPI, TRITC, FITC, wideband blue and texas red filter sets), differential interference contrast (DIC), cooled color CCD camera system with dedicated computer/software. Includes 10x, 20x, 40x and 100x oil objective lenses: Request other objectives in the comments section
Compound, Zeiss Standard 16 WL, with darkfield, phase contrast MC63, photomicrographic camera system, M35 camera/autowinder, transformer, and epifluorescence condenser IVFL, HB-100W lamp, neofluor objective. Request objectives and reticles in the comments section
Compound, Zeiss STD 16, epifluorescent, darkfield, phase contrast. Request objectives and reticles in the comments section
Compound, Zeiss STD 16, no epifluorescent, darkfield, phase contrast. Request objectives and reticles in the comments section
Compound, Zeiss Standard 16, binocular with substage condenser. Request objectives and reticles in the comments section
Dissecting Stereomicroscope, Wild M3C, with objective plan 1.0x FWD 86 mm, lens, HU photo tube with 100% iris diaphragm, and an ocular reticule with 12 mm divisions
Dissecting Stereomicroscope, Wild M5, field model with carrying case
Dissecting Stereomicroscope, Wild M5A, with camera adapter, illuminator, 12V and 6V transformers, drawing attachment, camera lucida for Wild M5A
Dissecting Stereomicroscope, Zeiss, with photo attachment, Diagnostic Transformer
Microscope, Leica Model MZ7.5 dissecting stereomicroscope with sub-stage light reflector
Microscope, Leica Model MZ7.5 dissecting stereomicroscope
Filter, DAPI, UV: Exciter filter 345-365 nm, chromatic beam splitter 395 nm, and barrier filter 420-425 nm, for dyes; blue fluospheres, DAPI, Hoescht, amca, mps, fif biogenic amines, etc., Zeiss 487702
Filter, Exciter filter (cz703x, d405/6) chromatic beam splitter (cz703bs, 440dc), barrier filter (cz703m, gg475). Made by Chroma for Zeiss. Zeiss 9108121355, Zeiss original catalog number 487703, Chroma catalog number cz703.
Filter, FITC, blue: Exciter filter 450-490 nm, chromatic beam splitter 505-510 nm, barrier filter 515-520 nm, high-performance wide-band pass, for dyes: yellow-green fluo spheres, nbd (amine), acridine yellow and orange (+DNA), tetracycline, etc. Ziess 487709

Filter, TRITC, green: Exciter filter 545-550 nm, chromatic beam splitter 575-580 nm, barrier filter 590-615 nm, high-performance narrow-band pass, selective excitation adapted to mercury spectrum lines, for dyes: bodipy 581/591, xritc, rhodamine b, evans blue, mp

Oceanographic Equipment

section***

Compressor, air, portable gasoline, with Honda GX120 generator

CTD, Seacat Profiler, Model SBE-19, with 300 psia pressure transducer

CTD, Seacat Profiler, Model SBE-19 and SBE-19+, with in situ fluorometer, 25 cm path length transmissometer to 5000 m, 300 psia pressure transducer

VDC

Depthsounder, Vexilar LPS-1, portable, LCD (for diving)

Echosounder, Biosonics DT-X with visual acquisition software, includes toughbook computer, transducer, tow fish cables and deckbox

rotors

Generator, Honda EX350A, portable gasoline, 120VAC 2.5A

Go-Flo bottle, General Oceanics model 108005, 1.7 L size, please specify if Go-Flo rack will be needed for Zodiac

Go-Flo bottle, General Oceanics model 108005, 5 L size, please specify if Go-Flo rack will be needed for Zodiac

Inverter, continuous Tripp Lite 1800W, 120 VDC input, 120 VAC output, 3 receptacle

Net, Plankton, 30 cm x 1.0 m, 202 μ m mesh. Includes ring, net and cod end

Net, Plankton, 30 cm x 1.0 m, 63 μ m mesh

Net, Plankton, 50 cm x 1.5 m, 200 μ m mesh

Net, Plankton, 50 cm x 1.5 m, 63 μ m mesh

Net, Plankton, 30cm x 1.0m, 25 μ m

Net, Plankton, 50cm x 2.5m, 153 μ m

Net, Plankton, 100cm x 3.0m 500 μ m

Net, Plankton, 30cm x 1.5m 202 μ m

Receiver, ARGOS Uplink II DSP, for multi-channel and 28-bit comms

Photographic and Optical Equipment

Binoculars, Leica 10x50, 15x50

Binoculars, Leica, 10x42

Binoculars, Leica, 8x24

Binoculars, Swift, 8x42

Camera, digital, Canon Powershot S5 IS, can be used with microscopes, request any special filters, etc in the comments section

Camera, 35mm, Nikon N70 with 35-80 AF lens (request film in Stocked Materials section)

Camera, digital, Olympus C-765 Ultra Zoom, 10x Optical Zoom, separate wide conversion lens, 4.0 Megapixel, 512MB Lexar xD-Picture Card

Camera, digital video, Sony DCR-VX 700, can be used for diving with the underwater Stingray housing (request tapes in Nonstocked Materials section)

Housing, underwater, Sting-Ray, with lights, use with Sony DCR-VX 700 digital camera

Telescope, Celestron C-90 with Nikon, Pentax, Minolta, Canon, and Olympus camera adapters

Telescope, Spotting, Bushnell Model 78-1817

Radioisotope Instruments
Survey Meter, Beta scintillation detector, Ludlum Model 44-1
Survey Meter, Bicron Model Surveyor 50 (chose probe below)
EWGM probe
Pancake GM probe (Nodel P-11 for Tech. Associates meter)
Survey Meter, Geiger counter, Technical Associates Model PUG-1AB (chose probe below)
EWGM probe
Pancake GM probe (Nodel P-11 for Tech. Associates meter)
Perkin Elmer A2900 liquid scintillation counter, with monitor and printer
20ml racks
7ml racks
Recorders
Recorder, chart, Soltec Model 1241, single channel, 24 speeds, 12 ranges
Recorder, chart, Soltec model 1242, dual channel, 24 speeds, 12 ranges
Recorder, chart, Soltec Model 1243, triple channel, 24 speeds, 12 ranges
HATCH water sampler, SD900
Shakers, Mixers, Homogenizers and Pumps
Amalgamator, Wigglebug
Homogenizer, Bead-beater, Biospec 3110BX, for 2.0ml micro vials
Homogenizer, Spectromill-I ball pestle impact grinder
Homogenizer, Tekmar tissue grinder, SDT-1810
Homogenizer, Virtishear Tempest 276725
Mixer, Sorvall Omni-Mixer Model 17105, 16,000 RPM N.L.
Mixer, Vortex-Genie Mixer, Oster, 5-speed
Pump, aquarium, Silent Giant Air-to-Spare Model 120
Pump, aquarium, Supra 4, air pump
Pump, centrifugal, Geosquirt, 12VDC, handheld centrifugal
Pump, diaphragm, ARO 1-1/2" with Honda generator and compressor
Pump, peristaltic, ISMATEC Model 78003-00
Pump, peristaltic, Masterflex Model 7520-50, 4 ch, 120VAC
Pump, peristaltic, Masterflex Model 7533-60, 1 ch, 12VDC
Pump, peristaltic, Masterflex Model 7552-71, 120 VAC
Pump, peristaltic, Masterflex Model 77200, 120VAC, with external control box for wet environments
Pump, vacuum, Gast, to 25" mercury
Pump, vacuum, Nalgene, hand-operated, 15cc
Pump, vacuum, Nalgene, hand-operated, 36cc
Pump, vacuum/pressure, Barnant 470-5942, high volume
Rocker, Platform, Bellico Model 7740-10010, max. cap. 20#
Shaker, Eppendorf 5432, 24-place
Shaker, Labline Orbit Model 3520
Shaker, Sieve, Tyler RX-24
Sonic disrupter, Bransen B-421 Ultrasonic
Sonic disrupter, Microson MS-50, 50 watt, 1/8" and 3/16" tips, foot switch

Sonic disrupter, Microson XL2000
Sonic disrupter, Sonicor Model SC-40
Shared Equipment
Autoclave, Systec DE-45
Autoclave, Market forge, Model STM-EL
Icemaker, Scotsman Flaker
Muffle furnace, Thermolyne Model 48000
Water system, Milli-Q Gradient A10 (specify if planning to use large quantities of water)
Water system, Nanopure (specify if planning to use large quantities of water)
Water system for seawater filtration, takes three standard 10" filters (request filters in Nonstocked Materials section)
Water system, UV sterilizer, Aquanetics Model 120IL
Small Equipment
Air meter, Davis, 1-6000 FPM
Annemometer, Sper Scientific, handheld, 0-99.9 MPH
Calculator
Corer, Soil, AMS 2" with extension
Desiccators (order desiccant separately)
Dispensing pressure vessel, Millipore XX6700P10
Engraver, Dremel Model 290
Filter holder, Millipore 1225, 12-port circular, 25 mm
Filter holder, Millipore, positive pressure, 316 stainless steel, 142 mm
Filtration manifold, 3-place, PVC
Filtration manifold, 6-place, PVC , narrow spaced (29")
Filtration manifold, 6-place, PVC, wide spaced (34")
Filtration manifold, 10-place, Amersham Biosciences Model FH-201
Filtration Manifold, Hoeffer FH225V
Filtration system, Millipore HOMMMUSA, with autoclavable 0.45mm filter (request filters separately)
Filtration vessel, Hayward Industrial AM5R223-150, 3" inlet/outlet, 316 stainless steel, autoclavable
Hot plate with stirrer, 6" and 12"
Illuminator, AO, Starlite
Illuminator, Fiber Optic, with 2 goosenecks
Illuminator, 5-diopter magnification, 30" extension, lit magnifier base, Luxo model KFM 17255
Incinerator, Bacti-Cinerator III
Lamp, UV, Black-Ray ML-49
Lamp, UV, Mineralight Model J-330
Lamp, UV, Model B-100Y, 115 volts
Magnifier, binocular visor, no lamp
Mortar and pestle, ceramic, various sizes
Mortar and pestle, cordless motor with plastic rods (request rods in Nonstocked Material section)
Picoammeter, Keithley model 485
Pipetaid, electric, Drummond
Pipetaid, manual roller wheel style, 25ml
Pipetman Rainin, P10 (request pipet tips in Stocked Material section)

Pipetman, Rainin EDP3-Basic SEB3-10, digital (request pipet tips in Stocked Material section)
Pipetman Rainin, P100 (request pipet tips in Stocked Material section)
Pipetman, Rainin EDP3-Basic SEB3-100, digital (request pipet tips in Stocked Material section)
Pipetman Rainin, P1000 (request pipet tips in Stocked Material section)
Pipetman, Rainin EDP3-Basic SEB3-1000, digital (request pipet tips in Stocked Material section)
Pipetman Rainin, P20 (request pipet tips in Stocked Material section)
Pipetman, Rainin EDP3-Basic SEB3-20, digital (request pipet tips in Stocked Material section)
Pipetman Rainin, P200 (request pipet tips in Stocked Material section)
Pipetman, Rainin EDP3-Basic SEB3-200, digital (request pipet tips in Stocked Material section)
Pipetman Rainin, P5000 (request pipet tips in Stocked Material section)
Pipetman, Rainin EDP3-Basic SEB3-5000, digital
Pipettor, Dispensette, Brinkman, 0.1-0.5ml
Pipettor, Dispensette, Brinkman, 0-2.5ml
Pipettor, Dispensette, Brinkman, 1-5ml
Pipettor, Dispensette, Brinkman, 1-10ml
Pipettor, Dispensette, Brinkman, 5-25ml
Pipettor, Dispensette, Brinkman, 10-50ml
Pipettor, Dispensette, Brinkman, 2-10ml
Pipettor, Dispensette, Brinkman, 20-100ml
Pipettor, Repeater, Eppendorf Model 4788
Plant Press, (request paper separately)
Power, Transformer, Powerstat, variable
Power UPS, Best Microferrups 850 VA
Power UPS, Smart-UPS, 3000VA/2700W, input 120V/Output 120V, Interface port DB-9, RS-232, SmartSlot, USB, Rackheight 2U
Sealer, Dazey Seal-A-Meal, 12" (request bags separately)
Sealer, Impulse, TEW Model TISH-300, 12" (request bags separately)
Sealer, Impulse, TEW Model TISH-200, 8" (request bags separately)
Sealer, Packaging Aids Corp Type 2, 6" (request bags separately)
Slide Warmer, Fisher P/N 12-54-5V3
Stirrer, Overhead, Wheaton, variable speed
Stratacooler II, benchtop cooler, for using samples at -20C
Nalgene benchtop cooler, for keeping samples at -20C
Tally Counters
Timers, lab, count down
Spectroscopy and Light Measurement
Datalogger, BSI DAS-186, integrator for use with BSI QSR-240
Datalogger, Li Cor LI-1000-32, digital, 8 channel, for use with quantum and pyranometer sensors
Fluorometer, Spex Fluoromax-2, scanning
Fluorometer, Turner 10-AU-005 (digital)
Irradiance Meter, BSI QSI-100, quantum scalar irradiance meter
Irradiance Meter, BSI QSI-140 integrating irradiance meter
Irradiance Meter, BSI QSR-240 solar reference irradiance meter
Irradiance Meter, BSI QSR-2100 solar reference irradiance meter

Luminometer, Optocomp BG-1, MGM instruments, 390-620 nm detection. Programmable, RS-232 port built-in printer
Pyranometer Sensor, Li Cor LI-200 SA
Pyranometer Sensor, Li Cor LI-200 SZ
Quantum Sensor, Li Cor LI-190 SA
Quantum Sensor, Li Cor LI-193 SA, underwater spherical
Quantum/radiometer/photometer, LiCor LI-189
Radiometer, BSI, UV, GUV-511I
Radiometer, BSI, UV, PUV-500B, with deckbox and cables, underwater
Radiometer, Photometer, Quantum Sensor, Li Cor LI-189
Spectrophotometer, Hewlett Packard, HP 8453, DAD Spec UV/VIS, scanning system.
Spectrophotometer, Perkin Elmer LS-50B, luminescence, with autosampler. Accessories include rapid kinetics accessory SFA-20 with trigger, module, cable and drive syringes
Spectrophotometer, Perkin Elmer LS-5B, luminescence
Tecan Plate Reader
Temperature Measurement
Hobo Pendant Temp and Light logger, waterproof, uses IR basestation
IR basestation for Hobo Pendant Temp and Light logger
Datalogger, Hobotemp, not water-proof
Datalogger, Hobotemp, TidBit Stowaway, waterproof, uses IR Basestation
Datalogger, Hobotemp, Water Temp Pro, uses IR Basestation
IR Basestation for Hobo Water Temp Pro and TidBit Stowaway
Thermometer, Digi-sense Thermistor, digital, uses YSI 700 series probes
Thermometer, Digi-sense ThermoLogR, digital, model 93210-50, uses YSI 400 and 700 series probes
Thermometer, Oakton, digital, uses YSI 400 series probes
Thermometer, Omega Model HH506R, digital with 2 TC inputs
Thermometer, Glass, alcohol, -20C to +110C
Thermometer Probe, YSI 400, model 401, general purpose, vinyl, immersible, -40 to +100C
Thermometer Probe, YSI 400, model 405, stainless steel cage around epoxy thermistor, -40 to +150C
Thermometer Probe, YSI 400, model 408, stainless steel disc, for skin or flat surface, -40 to+ 150C
Thermometer Probe, YSI 700, stainless steel probe
Thermometer Probe, YSI 700, vinyl tipped, short term immersion, -30 to +100C
Thermometer Probe, YSI 700, epoxy tipped, non-immersible
Marine-Owned Instruments Commonly Requested for Use at Palmer Station
FRRF (Fast Repetition Rate Fluorometer), Chelsea Instruments FAST-TRACKA
PRR (Profiling Reflectance Radiometer), BSI PRR800/810
Turner TD-700 Fluorometer
Lachat Quikchem 8000 Nutrient Analyzer System
Salinometer, Guildline model 8400A