

NBP

Science Equipment/Systems Allocation

ANALYTICAL INSTRUMENTS AND EQUIPMENT

Product	Quantity on Hand
<i>Autoclave</i>	
Autoclave, Sanyo Sterilizer, 75L capacity, Sanyo MLS-3782L	1
<i>Balance</i>	
Balance, cargo, 400lbs x .5lbs, 12 x 12.5", Pelouze 4040	2
Balance, Motion Compensated, Accuracy $\pm 0.1g$ up to 0.3kg; $\pm 0.2g$ up to 0.6kg; $\pm 0.5g$ up to 1.5kg, 12cm diameter pan, POLS S-182	1
	2
Balance, topload, 200g x 0.01g, 10cm diameter pan, built-in calibration, Mettler AE-240S (for use in port at Punta Arenas, Chile unless otherwise requested)	1
Balance, topload, 2100g x 0.01g, 16.5cm diameter pam, Mettler PG2002-S	2
Balance, topload, 4100g x 0.1g, 17cm diameter pan, Mettler PM4000	1
Balance, triple beam, 2610g x 0.1g, 13cm diameter pan, Ohaus	2
Scale, hanging 0-110 lbs, Salter 235 6S	1
<i>Bath, Water / Ultrasonic</i>	
Bath, Circulating, Neslab RTE-10, -25 °C to +150 °C, +/- 0.01 °C, ID 8.8" x 9.4" x 6", 11.3L	3
Bath, Circulating, Neslab RTE-110D, -30 ° to 130 °C, +/- 0.01 °C, ID 5" x 5" x 5", 5L	1
Bath, Circulating, Neslab RTE-17, -24 °C to +150 °C, +/- 0.01 °C, ID 8.8" x 9.4" x 9", 18.1L	3
Bath, Circulating, Neslab RTE-211D, -28 ° to 130 °C, +/- 0.01 °C, ID 10" x 10" x 5 3/4", 12.3L	7
Bath, Heated, analog, VWR 1212, 5 °C above ambient to 99 °C, ID 12 29/32" x 11 3/4" x 6", 12L	1
Bath, Heated, shaking, Yamato YB521, 5 ° to 70 °C, +/- 0.1 °C, 14" x 10" x 5", 50-150 Osc/min, timer	1
Bath, Ultrasonic, 12" x 6" x 6", 6L, Branson 3200	1
Bath, Ultrasonic, 12" x 9" x 6", 10L, heat, timer, degassing, Ney 300, Fisher 15-336-6	1
<i>Centrifuge</i>	
Centrifuge, clinical, non-refrigerated, 3300 rpm max, 1580 xg max Clay Adams	2

Dynac	
Rotor, fixed, 24-place, for 15ml tubes, for Clay Adams Dynac II	4
Rotor, fixed, 4-place, for 50ml tubes, for Clay Adams Dynac II	1
Rotor, swinging bucket, 4-place, for 50ml tubes, for Clay Adams Dynac II	2
Centrifuge, clinical, non-refrigerated, Max RPM 5100, Max g = 3400x g, Fisher 225	1
Rotor 24 place for 10-15mL tubes	1
Rotor 6 place for 50 mL tubes	1
Centrifuge, micro, non-refrigerated, 14000 rpm max, Eppendorf 5415C	2
Rotor, fixed, 18-place, for 1.5-2ml microfuge tubes, 11mm bore, 14,000 rpm max / 16,000 x g, for Eppendorf 5415C	2
Centrifuge, micro, non-refrigerated, variable speed up to 13,200 rpm / 16,110 x g, Eppendorf 5415D	4
Rotor, fixed, 24-place, for 1.5-2ml microfuge tubes, 11mm bore, 13,200 rpm max / 16,110 x g, for Eppendorf 5415D	4
Centrifuge, micro, non-refrigerated, variable speed up to 16,400 rpm / 25,000 x g, Eppendorf 5417C	2
Rotor, fixed, 24-place, 1.5-2ml microfuge tubes, 11mm bore, 14,000 rpm max / 20,800 x g, FA-45-24-11 for Eppendorf 5417C/R	4
Rotor, fixed, 30-place, 1.5-2ml microfuge tubes, 11mm bore, 14,000 rpm max / 20,800 x g, FA-45-30-11 for Eppendorf 5417C/R	2
Centrifuge, micro, refrigerated, -9 ° to 40 °C, variable speed up to 16,400 rpm / 25,000 x g, Eppendorf 5417R	1
Rotor, fixed, 24-place, 1.5-2ml microfuge tubes, 11mm bore, 14,000 rpm max / 20,800 x g, FA-45-24-11 for Eppendorf 5417C/R	3
Rotor, fixed, 30-place, 1.5-2ml microfuge tubes, 11mm bore, 14,000 rpm max / 20,800 x g, FA-45-30-11 for Eppendorf 5417C/R	2
Centrifuge, non-refrigerated, 3750 rpm / 3210 g max, Beckman GS-6 / Allegra 6	1
Rotor Adapter, 250 ml bottle x 1, YELLOW for Rotor GH 3.8	1
Rotor Adapter, 30 or 50 ml conical bottom x 4, GREEN for Rotor GH 3.8	1
Rotor Adapter, 50 ml round bottom x 4, BLUE for Rotor GH 3.8	1
Rotor Adapter, 50 ml round bottom x 7, YELLOW for Rotor GH 3.8	1
Rotor Adapter, 500 ml bottle x 1, TAN for Rotor GH 3.8	4
Rotor Adapter, Deep Well Plate for Rotor PTS 2000	1
Rotor, swinging bucket, 750ml x 4 bottles or various adapters, 3,750 Max RPM, 3,210 Max RCF, P/N GH 3.8 for Beckman GS-6 / Allegra 6	1
Centrifuge, refrigerated, -10 ° to 40 °C, variable speed up to 14,500 rpm, Beckman Allegra 21R	2
Rotor, fixed angle 25 °, 50mL x 6, 9,380 Max RCF, C0650 for Allegra 21R/X22R	1
Rotor, fixed angle 25 °, 50mL x 8, 10,730 Max RCF, F0850 for Allegra 21R/X22R	1
Rotor, fixed angle 30 °, 30ml x 6, 20,410 Max RCF, F0630 for Allegra 21R/X22R	2
Rotor, fixed angle 45 °, 1.5ml x 24, 21,460 Max RCF, F2402H for Allegra 21R	1
Rotor, fixed, 36-place, for 1.5-2ml microfuge tubes, 19,280 RCF/g max, Beckman F3602, for Beckman Allegra 21/22R	1
Rotor, microplate/microtitor, microplate x 4, 1,107 Max RCF, S2096 for Allegra 21R/X-22R	1

Centrifuge, refrigerated, -20 ° to 40 °C, variable speed up to 15,500 rpm, Beckman Allegra X-22R	2
Rotor Adapter, 50ml round bottom x 4, 368477 for SX4250	4
Rotor, fixed angle 25 °, 50mL x 6, 9,299 Max RCF, C0650 for Allegra 21R/X22R	1
Rotor, fixed angle 25 °, 50mL x 8, 9,299 Max RCF, F0850 for Allegra 21R/X22R	1
Rotor, fixed angle 30 °, 30ml x 6, 20,450 RCF/g max, F0630 for Allegra 21R/X22R	2
Rotor, fixed angle 45 °, 2.2ml x 30, 22,065 Max RCF 21,952, FX301.5 for Allegra X-22R	2
Rotor, microplate/microtitor, microplate x 4, 1,107 RCF/g max, S2096 for Allegra 21R/X-22R	1
Rotor, swinging bucket, 250ml x 4, SX4250 for Allegra X-22R	1
<i>Compressed Gas Regulators</i>	
CGA 320 for Carbon Dioxide, double stage	4
CGA 510 for Propane, double stage	2
CGA 540 for Oxygen, double stage	2
CGA 550 for Hydrogen, double stage	2
CGA 580 for Nitrogen / Helium, double stage	4
CGA 590 for Air, double stage	2
<i>Conductivity Meter</i>	
Conductivity Meter, Benchtop, Orion 3 Star	1
Conductivity Cell, DuraProbe with 4 electrodes, Range: 1 uS/cm to 200mS/cm, Thermo Orion 013005MD	1
Conductivity Meter, portable, Orion 115	1
Conductivity Cell, 1.0k constant, plastic body with thermistor, Orion 011050	3
<i>Crimper</i>	
Crimper, hand operated for 20mm seals- Wheaton 224303	3
Decaper, Plier, 20mm	1
<i>Cryogenic/LN2 equipment</i>	
160L Liquid nitrogen storage dewar	4
50L or 35L Narrow mouth liquid nitrogen dewar with dip sticks	4
50L or 35L Wide mouth liquid nitrogen dewar with dip sticks	4
<i>Dispenser</i>	
Dispenser, 0-0.5mL, Barnstead Repipet Jr - for aqueous solutions only Acid/Base OK	4
Dispenser, 0.2-1ml, bottle top, 28, 38, 45mm adapters	6
Dispenser, 0.25-2ml, bottle top, 28, 38, 45mm adapters	3

Dispenser, 0.4-2ml, bottle top, 28, 38, 45mm adapters	6
Dispenser, 1-10ml, bottle top, 28, 38, 45mm adapters	1
Dispenser, 1-5ml, bottle top, 28, 38, 45mm adapters	9
Dispenser, 10-60ml, bottle top, 28, 38, 45mm adapters	2
Dispenser, 2-10ml, bottle top, 24, 28, 38mm adapters	5
Dispenser, 5-30ml, bottle top, 28, 38, 45mm adapters	3
Dispenser, repipet, 0-0.5ml, with square amber glass jar	3
Dispenser, repipet, 0-2.5ml, with square amber glass jar	3
Dispenser, repipet, 0-5ml, with square amber glass jar	3
Filtration	
Filtration manifold, 3-place, stainless steel	8
Filtration manifold, 6-place, PVC	6
Filtration manifold, 3-place, PVC	2
Glass Base, 25mm fritted glass screen	25
Glass Funnel, 1000ml with 25mm flange	12
Glass Funnel, 150ml with 25mm flange	3
Glass Funnel, 15ml with 25mm flange	26
Glass Funnel, 300ml with 25mm flange	16
Glass Base, 25mm, stainless steel screen	15
Glass Funnel, 1000ml with 25mm flange	12
Glass Funnel, 150ml with 25mm flange	3
Glass Funnel, 15ml with 25mm flange	26
Glass Funnel, 300ml with 25mm flange	16
Glass Base, 47mm, fritted glass screen	7
Glass Funnel, 300ml with 47mm flange	23
Glass Base, 47mm, stainless steel screen	16
Glass Funnel, 300ml with 47mm flange	23
In-line 47mm filter holder assembly	0
Vacuum trap, 20L glass carboy	0
Vacuum Trap, 20L Nalgene	0
Filter holder, for pressure filtration, 142mm, ss, 1.5L capacity, 125 psig inlet, 9/16" ID, silicone gasket, Millipore 316	5
Filtration Assembly, polysulfone, 150mL funnel with 25mm base, magnetic	6
Filtration Assembly, polysulfone, 200mL funnel with 25mm base, twist	36
Filtration Assembly, polysulfone, 250mL funnel with 47mm base, clamp	8
Filtration manifold, 10-place, for 25mm filters, Hoefer FH225V, RAD USE	1
Filtration manifold, 12-place, for 25mm filters, circular, Millipore, RAD USE	1
FIRe (Fluorescence Induction and Relaxation) System	
Actinic Using Light Source (ALS)	2
Fiber Optic Probe	2

Flow through Cuvette	2
Satlantic FRe Fluometer System w/ removable filters 680nm and 880nm, two 1cm quartz cuvettes, USB port	2
Fluorometer	
Fluorometer, Benchtop, Turner TD700, rotating drum for multiple filter sets	2
Filter kit, Ammonium/CDOM filter set, Turner Designs 10-303	3
Filter kit, Chlorophyll-a in Vivo & extractive (Acidification), Turner Designs, 10-037R	3
Filter kit, Chlorophyll-a in Vivo & extractive (NON-Acidification), Turner Designs, 10-040R	3
Fluorometer, digital, Turner 10-AU-005 (benchtop). Please select filters required.	3
Attenuator plate, 1:5, Turner Designs 10-318(square)/10-318R(round)	1
Cuvette Holder, 13mm and 25mm, Turner Designs 10AU-030	1
Filter, >570nm, cs 3-66, em:rhodamine, Turner Designs 10-052	1
Filter, >570nm, cs-16, em:chlorophyll, Turner Designs 10-053	1
Filter, >610nm, cs 29, em:chlorophyll, Turner Designs 10-054	1
Filter, >665nm, cs2-64, em:chlorophyll acidification method, Turner Designs 10-051/10-51R	1
Filter, 1 N.D., square, Turner Designs 10-032	1
Filter, 2 N.D., square, Turner Designs 10-035	1
Filter, 310 - 390nm, ex: Ammonium/DOM, round, Turner Designs 10-102	1
Filter, 340 - 500nm, cs 5-60, ex: chlorophyll acidification method, Turner Designs 10-050/10-050R	1
Filter, 410 - 600nm, em: Ammonium/DOM, round, Turner Designs 10-110R-C	1
Filter, bandpass 7-37, 300-400nm, square, Turner Designs 10-069	1
Solid Standard, Secondary Chl-A standard	1
Freezer/Refrigerator	
Freezer, -20 °C, Flammable storage upright, Fisher Isotemp	1
Freezer, -20 °C, upright, 15 cu ft, 17 x 50 x 23"D, Fisher Scientific	1
Freezer, ultralow, -40 ° to -80 °C, chest, 20 cu ft, ThermoFisher	1
Freezer, ultralow, -40 ° to -80 °C, upright, 15 cu ft, five compartments, Revco	1
Refrigerator, Flammable storage underbench, 2 ° to 7 °C, 5.6 cu ft, Revco 97 938-1, Bio & Hydro Labs	3
Refrigerator, Flammable storage upright, 20 cu ft, Revco RXP164A15, Aft Dry Lab	1
Refrigerator, underbench, 4 cu ft, no freezer, no flammable storage	2
Refrigerator, underbench, 4 cu ft, with 0.5 cu.ft. freezer	1
Refrigerator, upright, 11.8 cu ft, w/2.1 cu ft freezer, Baxter FSR54AOC, Helo Workshop	1

<i>Furnace</i>	
Muffle Furnace, Thermolyne 30400, 100 ° to 1093 °C, 1.6 cu ft, F30438CM	1
Muffle Furnace, Thermolyne 6000, 100 ° to 1200 °C, 0.5 cu ft, F6038CM	2
<i>Heat Blocks</i>	
Bath, dri, modular, six block, ambient to 150 °C, +/-0.5 °C, with 50, 15, 1.5ml tube size blocks, VWR 13259-038	3
Heat block, 12 x 15ml conical, VWR 13259-250	2
Heat block, 20 x 1.5ml microtaper, VWR 13259-286	3
Heat block, 5 x 50ml microtaper, VWR 13259-254	1
Bath, dri, modular, three block, 25 ° to 110 °C, +/- 0.1 °C, with 6, 13, 16mm tube size blocks, Thermolyne 16525	2
Heat block, 12 x 16mm, Thermolyne BK 165X7A	2
Heat block, 20 x 13mm, Thermolyne BK 165X5A	3
Heat block, 30 x 6mm, Thermolyne BK 165X3A	2
Bath, dri, modular, two block, max temp 130 °C, Fisher 2052FS	1
Heat block, 6 x 6 mm & 5 x 13mm & 3 x 25 mm, Fisher 11-718-22Q	4
<i>Homogenizer</i>	
Homogenizer, w/stand, for sample vol. 0.3ml-20L, 10000 to 30000 RPM, Pro Scientific 250	2
Generator, Safety sealed chamber assembly, stainless steel, 70ml, 1" blade, treatable volume 10-65ml	1
Generator, saw, chamber size 7 x 150mm, stainless steel, treatable volume 0.1-10ml	1
Immersion sonicator, Omni Ruptor 400 Ultrasonic Homogenizer, with 400W control unit and generator with variable power output	1
Intermediate Tip for Ultrasonic Homogenizer, 3/8" (9.5mm) diameter, 8.6" (21.8cm) length, 10ml - 250ml processing volume, Medium intensity, Solid Titanium construction	1
Micro-Tip for Ultrasonic Homogenizer, 5/32" (3.8mm) diameter, 10.1" (25.6cm) length, 250 µl -10ml processing volume, High intensity, Solid Titanium construction	1
<i>Hood</i>	
Hood, absorber, portable, 31.5x25" working space, 87 cu ft/min, Captair Labx	0
Filter for Acid Vapors	0
Filter for Ammonia/Amines	0
Filter for Formaldehyde use	0
Filter for Organic Vapors	0
Hood, fume, 32Dx48"W working area, Fisher Hamilton Safeair, installed in Bio Lab	2
Hood, laminar flow, bench model, 31" x 23" x 22", Airclean 600 system, trace	5

metal use,	
Hood, laminar flow, Enviroco Mac 10 HEPA, 2' x 4', 120V	2
Hood, snorkel, portable, ceiling mounted, Alisident System 100	3
<i>Hot Plate/Stirrer</i>	
Hot Plate/Stirrer, 6 x 8", 65 ° to 510 °C, Corning PC-320	3
Hot Plate/Stirrer, 7 x 7", 5 ° to 540 °C, Thermolyne SP131325	1
Hot Plate/Stirrer, 8 x 8", 65 ° to 500 °C, Thermolyne SP46925	2
Stir Plate, 10" x 10", Corning PC-610	2
Stir Plate, 7 x 7", VWR	2
<i>Ice Maker</i>	
Ice maker - shaved ice - installed in Hydro Lab	1
<i>Incubator</i>	
Incubator, lighted, -10 ° to +50 °C, +/- 1-3 °C, Percival Model I-36LLVL, in Aft Dry Lab	2
<i>Irradiance Sensor</i>	
Irradiance Sensor, handheld, immersible, scalar, quantum, Biospherical Instruments QSL-100	1
Data Logger, Li-Cor LI-1000	2
Irradiance Sensor, pyranometer, BNC 50', LI-COR LI-200SA	3
Data Logger, Li-Cor LI-1000	2
Irradiance Sensor, pyranometer, non-BNC 50', LI-COR LI-200SZ	3
Data Logger, Li-Cor LI-1000	2
Irradiance Sensor, underwater spherical, LI-COR LI-193SA	3
Data Logger, Li-Cor LI-1000	2
Irradiance Sensor, frame, lowering, f/LI-193SA	2
Irradiance Sensor, quantum, BNC 50', LI-COR LI-190SA	3
Data Logger, Li-Cor LI-1000	2
Irradiance Sensor, quantum, non-BNC, 50', LI-COR LI-190SZ	3
Data Logger, Li-Cor LI-1000	2
<i>Light Table</i>	
Light Table, 16x20", Searight WTB 16/2, for viewing photographic slides	1
<i>Liquid Scintillation Counter</i>	
Liquid Scintillation Counter, Perkin Elmer Tri-carb 2910. If requested, you must	4

also request a rad van under the Systems tab.	
Rack Adapters for 2ml microfuge tubes	0
Rack Adapters for 4ml bio vials	0
Racks for 20 ml scintillation vials	50
Racks for 7 ml scintillation vials	50
Unquenched Standards, blank, 3-H, 14-C	3
Microscope	
Camera, Canon 60D Camera with microscope adaptors (fits eyetube on E800, Axioskop 50, Standard 25, M3C)	1
Microscope Imaging, Digital Camera, Spot Insight (fits E800, Axioskop 50, Standard 25, M3C)	1
Microscope, compound, Brightfield, DIC, Epi-Fluorescence, Phase Contrast, Objectives (10X Ph1, 20X Ph2, 40X Ph2, 100X Ph3) Zeiss Axioskop 50	1
Epi-Fluorescent Filter, Zeiss Axioskop 50 - Acridine Orange/FITC (CZ909)	1
Epi-Fluorescent Filter, Zeiss Axioskop 50 - DAPI (CZ902)	1
Epi-Fluorescent Filter, Zeiss Axioskop 50 - DAPI (CZ909)	1
Reticle, dia 26mm, 100 div grid, Klaraman KR-406A	1
Reticle, dia 26mm, full x hairs, Klaraman KR-301	1
Reticle, dia 26mm, linear 0-100um, Klaraman KR-207	2
Microscope, Compound, Brightfield, DIC, Epi-Fluorescent, Phase Contrast (10X), Objectives (10X Ph1, 20X, 40X, 60X, 100X) Nikon E800	1
Epi-Fluorescent Filter, Nikon E800 - BLUE (Chroma filter 96165)	1
Epi-Fluorescent Filter, Nikon E800 - BLUE LP (Chroma filter 11001)	1
Epi-Fluorescent Filter, Nikon E800 - DAPI (Chroma filter 31000)	1
Epi-Fluorescent Filter, Nikon E800 - FITC (Chroma filter 31001)	1
Epi-Fluorescent Filter, Nikon E800 - RHODAMINE/TRITC (Chroma filter 31002)	1
Epi-Fluorescent Filter, Nikon E800 - TEXAS RED (96109)	1
Microscope Imaging, Camera, Video, Sony DXC-390	1
Microscope, Compound, Brightfield, Epi-Fluorescence, Phase Contrast, Objectives (10X Ph1, 20X Ph1, 40X Ph2, 100X) Zeiss Standard 25	1
Epi-Fluorescent Filter, Zeiss Standard 25 - DAPI (487702)	1
Epi-Fluorescent Filter, Zeiss Standard 25 - FITC (487709)	1
Epi-Fluorescent Filter, Zeiss Standard 25 - Rhodamine (487715)	1
Reticle, dia 26mm, 100 div grid, Klaraman KR-406A	1
Reticle, dia 26mm, full x hairs, Klaraman KR-301	1
Reticle, dia 26mm, linear 0-100um, Klaraman KR-207	2
Microscope, Compound, Petrographic, Polarizing, Objectives (4X, 10X, 40X) Nikon Labophot	2
Microscope, Stereo, Leica/Wild M3C with standard base, 6.4 - 40 times Magnification with 1X objective and 10X/21B eyepiece	4

Base, Darkfield w/ illuminator, M3C	2
Eyepiece 16X/14B	2
Eyepiece 25X/9.5B	2
Objective 0.32x	1
Objective 1.5X	2
Objective 2.0X	1
Reticle, dia 12mm, 120C/L	4
Illuminator, fiber optic, two arm, Dolan-Jenner MI-150F	9
Vibration free slab, vibraplane, microscopy, max 275 lbs, 20x24" surface, Kinetic Sys Benchmate	3
Vibration free table, installed in Microscope Room	2
Mixer	
Mixer, vortex	6
Oven	
Oven, Forced convection, 5 ° to 260 °C, ID 17x15x15", Yamato DKN-402	1
Oven, Gravity convection, 40 ° to 200 °C, ID 20x17.5x28", VWR 1326	1
Oven, Gravity convection, 40 ° to 260 °C, ID 18.5x16x17.5", Blue M	5
Oven, Hybridization 5-70 °C with shaker, ID 11.5x11.5x10.5", Boekel 136400	1
Oven, Vacuum ambient to 260 °C, three shelves, 1.5 cu. Ft.	1
Oxygen Titrator	
Oxygen titrator (Langdon/LDEO amperometric), auto, with laptop, PC clone, dosimats, stir plate, etc (please request chemicals under 'Supplies' tab)	2
Sample bottles, glass 125mL, calibrated, Indicate Number Required	340
PCR Machine	
PCR machine, Eppendorf Mastercycler gradient	1
pH Meter	
pH meter, -2-19.99, resolution 0.01/0.1, temp -5 ° to 105 °C in 0.1 °C, Orion 520A	7
pH Electrode, Ross Combination, Orion 8102BN	6
Sure-Flow refillable Ag/AgCl with wp BNC	1
pH Electrode, Triode, Orion 9157BN	4
pH meter, 0-15.99, resolution 0.001/0.01/0.1, temp -5 ° to 100 °C in 0.1 °C, Beckman PHI34	1
pH Meter, Benchtop, Orion 320 PerpHect	1
pH Electrode, PerpHect Combination, Orion 9202BN	1

<i>Pipettor</i>	
Pipettor, adjustable volume, 0.2-2uL	1
Pipettor, adjustable volume, 0.5-10uL	2
Pipettor, adjustable volume, 1-10mL	6
Pipettor, adjustable volume, 1-10uL	8
Pipettor, adjustable volume, 10-100uL	9
Pipettor, adjustable volume, 100-1000uL	3
Pipettor, adjustable volume, 1000-5000uL	11
Pipettor, adjustable volume, 2-20uL	13
Pipettor, adjustable volume, 20-200uL	3
Pipettor, adjustable volume, 200-1000uL	13
Pipettor, adjustable volume, 50-200uL	13
Pipettor, adjustable volume, 500-2500uL, Autoclavable	1
Pipettor, adjustable volume, 500-5000uL	1
Pipettor, fixed volume, 100uL	3
Pipettor, fixed volume, 200uL	3
Pipettor, repeater, 1uL-10mL, Eppendorf Repeater Plus, for combi-tips	7
Pipettor, repeater, 2-5000uL, Eppendorf 4780, for combi-tips	4
<i>Pump</i>	
Pump, Aeration, Aquarium air pump with air diffusing stones	3
Pump, peristaltic, Masterflex C/L 77120-52	0
Pump, Peristaltic, Masterflex L/S motor	1
Pump, Peristaltic, Mini Low Flow Rate: 0.03 to 8.20mL/min, Gas or Liquid, Fisher 13-876-1	5
Pump, vacuum, diaphragm, Gast DOAP104AA	15
Vacuum Trap, 20L heavy-duty polypropylene carboy	6
Vacuum Trap, 20L glass carboy	6
Pump, vacuum, hand-operated, 15 cc, Nalgene 6131-0010	3
Pump, vacuum, hand-operated, 36 cc, Nalgene 6130-0020	5
<i>Refractometer</i>	
Refractometer, clinical, handheld, temperature compensated, Schuco 5711-2021	1
Refractometer, salinity, handheld, temperature compensated, Reichert-Jung (Leica) 10419	1
<i>Salinometer</i>	
Salinometer, Autosal, Guildline 8400B	3
Salinometer, Portasal, Guildline 8410A	1
Square sample bottles (Please specify how many bottles)	60

Scanning Spectrofluorometer	
Spectrofluorometer, scanning, HORIBAJOBIN YVON Fluoromax-3, red sensitive PMT, fully automated emission shutter, Thermostated 4-position sample holder, Datamax software	1
1938 Cut-on, high-pass filters with low fluorescence background, set of 5 filters 1x2 inch cut-on at 370, 399, 450, 500, and 550nm	1
1939 Filters ideal for order sorting or Rayleigh line blocking. Increased sensitivity when a monochromator is not required. 2 x 2 inch cut-on at 370, 399, 450, 500, and 550nm	1
Quartz Cuvette - 4ml, 1cmx1cm	1
Low volume cell 250uL	1
Shaker	
Platform, 28 x 34 cm, holds 25/50/250 mL flasks	2
Platform, describe requirements	0
Shaker, orbital, IKA KS 130 Control	3
Shaker, orbital, 4-400 orbits/min, Labline 3520, 28 x 34 cm table	2
Spectrophotometer	
Luminescence Spectrometer LS-5B Perkin Elmer	1
Spectrophotometer, UV/Vis, 200-850nm, Ocean Optics ChemUSB2-UV/VIS	3
Cell, 100mm, quartz, cylindrical, 28.2mL volume	1
Cell, 100mm, quartz, rectangular, semi-micro, 7.0mL volume	3
Cell, 10mm, quartz	3
Cell, 10mm, quartz flow cell, 0.420mL volume	3
Single cell holder, 10mm - can be temp controlled with additional water bath requested separately	3
Single cell holder, cylindrical, 100mm - can be temp controlled with additional water bath	3
Single cell holder, rectangular, adjustable 10-50mm, no temperature control	3
Spectrophotometer, UV/Vis, w/monitor, 1 w/printer, Beckman DU640B	
Sipper Cell, for Beckman DU640B	1
Spectrophotometer, Perkin Elmer Lambda 35	
Single cell holder, reference	1
8-cell holder	1
Linear transporter	1
Labsphere, Perkin-Elmer Lambda 35	1

<i>Thermometer</i>	
Thermometer, Analog, -100 °C to 50 °C, 1 °C division, total immersion	1
Thermometer, Analog, -20 °C to 110 °C, 1 °C division, 76mm immersion	3
Thermometer, digital, -55 ° to 150 °C (no F), Tegam 866	8
Thermometer, digital, C/F, 0.1 ° degree resolution, K-type probe, VWR 6122060	3
Thermometer, digital, waterproof, C/F, 1.0 ° degree resolution, K-type probe, Fisher 1507714	6
<i>Water Purification System</i>	
Water Purification System, Aqua Solutions RODI-C-12-AL, Ultra low TOC, High flow R/O + DI system installed in Aft Dry Lab	1
Water Purification System, Barnstead Diamond UV, virtually TOC-free, installed in Hydro Lab	1
<i>LABORATORY & SCIENCE VANS AND WALK-IN COOLER</i>	
<i>Freezer Van</i>	
Freezer Van #6 - Temperature controlled lab van for temperatures between (-25 °) and (+4 °C). Click here for additional information	1
Freezer Van #9 -20 °C with wood counters along back and one side of the van. Click here for additional information	1
<i>Radioisotope Vans</i>	
Rad Van #1 - Designed for research involving radioisotopes. This van is the preferred lab for Tritium (3H) research on the LMG. Click here for additional information	1
Rad Van #2 - Designed for research involving radioisotopes. This van is a preferred lab for Carbon 14 (14C) research on the LMG. Click here for additional information	1
Rad Van #3 - Designed for research involving radioisotopes. This van is the preferred lab for Tritium (3H) research on the NBP. Click here for additional information	1
Rad Van #4 - Designed for research involving radioisotopes. This van is the preferred lab for Carbon 14 (14C) research on the NBP. Click here for additional information	1
Rad Van #5 - Designed for research involving radioisotopes. This van is the preferred lab for Carbon 14 (14C) research. Click here for additional information	0
<i>TMC Lab and Garage Van</i>	
TMC Lab and Garage Van #7 - Contains a garage section for the deployment of a Trace Metal Clean rosette and a lab section for sample processing. Click here for additional information	1

<i>Walk-In Cooler (Constant Temperature Room)</i>	
Constant Temperature Room, opens to main corridor and to Biolab, temperature to -10 °C +/- 1 °C, "Big Antarctica"	0
Constant Temperature Room, opens to main corridor, temperature to -10 °C +/- 1 °C, "Little Antarctica"	0
<i>CROSS-CATEGORY ITEMS</i>	
Vacuum trap, 20L glass carboy	3
Vacuum trap, 20L glass carboy	3