

BID NO 17-21 --NATURAL SCIENCE EQUIPMENT
FORM OF PROPOSAL

Item No.	Description	Unit	QTY	
1	<p>Vendor names are for reference only</p> <p>True Refrigeration T-49G Glass door refrigerator, 49 cu. Ft., 6 adjustable PVC-coated shelves, Stainless steel front with aluminum ends Clear-coated aluminum interior with a stainless steel floor 2 glass hinged doors with locks LED interior lighting Exterior dial thermometer 4-in. casters with front locks 1/2 HP Compressor motor 115 V/60 Hz/1-ph, 10.0 A, 9 ft. cord with NEMA 5-15 plug Overall Dimensions: 54-1/8 in. L x 29-3/4 in. D x 78-3/8 in. H</p>	each	1	
2	<p>I Miller Precision Optical</p> <p>Leica DM500 Compound Microscope Right Hand Stage Standard Stand with 4 position nosepiece, Universal Power Supply, mechanical stage with non extending rack and slide holder, Pre-Centered and Pre-Focused Abbe condenser with slot for Phase and Dark field Sliders and labels for matching objective magnifications, LED illumination, built in handle and cord wrap, Dust cover. 45 degree Binocular Tube with locking mechanism for eyepieces. 10X/20X Focusing Eyepiece with Eye guard accepts a 24.5mm diameter reticle Objective Plan 4X/0.10 NA Free working distance: 26.2mm for use with and without Cover Glass Objective Plan 10X/0.22 NA Free working distance: 7.8mm for use with and without Cover Glass Objective Plan 40X/0.65 NA Free working distance: 0.31mm For use with 0.17mm Cover Glass (DIN,ISO) Objective Plan 100X/1.25 NA OIL Free working distance: 0.10mm For use with 0.17mm Cover Glass (DIN, ISO) Reticle for eyepiece 100 Divisions Captive Thumbscrew for EZ Tubes U.S. Power Cord Fits the cord wrap of DM500 Include delivery and set-up</p>	each	144	

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3	Leica EC4 Digital Camera: Exposure time 0.5msec to 500msec; Live picture-color on monitor up to 24fps(1024x768 pixel); 3.3 MegaPixel; Sensor size 1/2 inch CMOS. USB 2.0 compatible, Power-Via USB 2.0. LAS EZ software/Leica Aquire Software. C-mount adapter included.	each	7
	Thomas Scientific		
4	Labconco 4400320 SteamScrubber Glassware Washers designed to wash and dry general purpose labware. Stainless steel top and bottom racks that accommodate basket inserts for a wide variety of glassware shapes and sizes, primarily beakers and other wide-mouth glassware. Specialized inserts for BOD bottles, petri dishes, culture tubes and small utensils. Accommodates Upper and Lower Spindle Racks.	each	2
5	Walter Products WP-110RS Spectrophotometer features 40mm slit width and is designed to be used with 1/2" (13mm) round tubes or 10mm square cuvettes (an adaptor is supplied at no additional charge for 10mm square optical glass cuvettes). Features automatic zeroing, one-touch blanking, and built-in automatic filters, large screen graphic LCD for Absorbance, Transmittance, Factor, and Concentration. Each option can easily be selected with using the Mode button located on the control panel. High quality silicon photodiode detector and 1200 lines/mm grating, second order filters are built-in and automatically adjust as the wavelength is set. USB port to interface with windows-based computers. The spectrophotometer comes with twelve round optical glass cuvettes, a square cuvette adapter, dust cover, and user manual.	each	7
6	Thermo Scientific SP142025Q Digital Hot Plate Stirrers	each	36
7	Mettler Toledo 51302931 Digital pH Meter	each	10

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8	UVP 94-0012-05 R-546 Grid Lamp, 115 volt. Mineralight Lamp use a grid design which is a highly uniform 254nm UV source of high-intensity. •UVP's special UVG shortwave filter reduces solarization, prolonging the filter life <ul style="list-style-type: none"> •Lamp mounts securely in its transformer base or is removable for movement •Lamp manufactured with rugged, scratch resistant plastic •A snap-on filter assembly can be easily attached to convert this lamp for fluorescent analysis 	each	5
9	Clay Adams 420225 Centrifuge	each	9
10	Nor-Lake Scientific 1226A19 Lab Freezer Upright Manual Defrost 17.1 cf 3 shelves, Adjustable temperature control <ul style="list-style-type: none"> • Operating temperature -10°C to -20°C • 1 full access sliding storage basket 	each	1
	Bio-Rad		
11	Bio-Rad T100 Thermal Cycler features Intuitive touch screen — easy programming using a large color touch screen and intuitive interface Consistent results — robust design ensures effective and consistent performance run to run Easy optimization — this gradient thermal cycler allows fast PCR optimization using a unique thermal gradient <ul style="list-style-type: none"> •Easy protocol management — protocols can be organized using personalized folders or a USB flash drive 	each	1
	Ward Science		
12	Perkin Elmer L160000A Spectrum Two IR Spectrometer: Portable Infrared Spectrometer with 8 wave lengths	each	1
13	Somso 814214 Twice Life-Size Heart Model	each	6
14	Somso 813198 Male pelvis model	each	7
15	Somso 813196 Female pelvis model	each	7
16	GPI anatomical 2851 Clear sinus model	each	2
	Getinge		

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17	Avanti 533LS-E Autoclave: 8.4" touchscreen display with gravity-displacement and high-vacuum dynamic air-removal. 9.7 cu ft. includes Electric Steam Generator and Auto Blowdown, include delivery and installation	each	1
	Sigma		
18	Thermo FisherZ376027 Genesys 20 spectrophotometer, Measures absorbance or transmittance over a range of 325-1100 nm and can be programmed to print out concentrations. Uses 10 mm square cuvettes, 10 mm test tubes. Includes single-position cell holder, 5 disposable cuvettes, RS-232C interface, Centronics-compatible printer port, dust cover, and owner's manual. 100-240 V compatible.	each	22
19	Plas-Labs 830ABE Compact glove box	each	1
	Sargent Welch		
20	VWR 89501-468 Digital Control Water Bath, 10L. digital display, programmable timer, programmable high limit, programmable calibration/temperature offset, 3 programmable preset temperatures and audible alarm standard. two-year warranty Comes with a high clearance lid Three user configured temperature presets Built-in countdown timer, 1000 wattage heater	each	3
21	Ohaus WLS2647-25B Ohaus® Scout Pro Electronic Balance, 400g x 0.1g Built-in applicator modes include density/specific gravity determination with a below balance hook or toploading kit, percent weighing, totalization, and parts counting	each	10
22	Sargent Welch CP33900-00 Digital Micrometer 0-25 mm range	each	9
	Carolina Biological		
23	Swift SM102 Stereo microscope with fixed magnifications of 20x and 40x, cool, bright, energy-efficient, variable-intensity LED illumination; locked-on, 1-touch, spring-loaded stage clips; right eyepiece diopter adjustment; Limited Lifetime Warranty.		84

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24	Hoshizaki America FS20BAH Undercounter flaking ice machine produces up to 303 lbs. of flake style ice per day, self contained ice maker with 80 lb. capacity built-in storage bin, patented Hoshizaki Guard antimicrobial agent ensures less bacterial growth, for consistently pure, clean ice. Ice Maker's filter removes easily, and its easy-to-remove top panel allows for unrestricted access to interior components for servicing. front side air flow and front side air filter, air cooled, 115 volt. Warranty: 3 year parts and labor/ 5 years on compressor.	each	1
25	755330 Spectroscope	each	9
26	755400 Spectroscope Power Supply	each	9
27	755368 Spectroscope tubes: Hydrogen	each	9
28	755374 Spectroscope tubes: Neon	each	5
29	755378 Spectroscope tubes: Oxygen	each	5
30	755360 Spectroscope tubes: Argon	each	5
31	755376 Spectroscope tubes: Nitrogen	each	5
32	755384 Spectroscope tubes: Carbon Dioxide	each	5
33	Somso 566943B Human sectional eye model	each	14
34	Somso 566786 Human brain ventricule model	each	6
35	566917 Human lung model	each	3
36	Somso 566914 Larynx with bronchial tree	each	1
37	Somso 566908 Human spleen, duodenum and pancreas model	each	4
38	Altay 566928 Human male urinary system model	each	2
39	Somso 566918 Human kidney and adrenal gland model	each	1
	Precision Weighing Balances		
40	Ohaus AX223 Precision top loading balance, 220g capacity, 1 mg reading.	each	6
	Nasco		

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41	<p>Vendor names are for reference only</p> <p>Corning SB42262M Corning® Stirring Hot Plate with Digital Display - 5" x 7" digital temperature and stirring speed displays. Exclusive closed-loop stirring control monitors and regulates the stirring speed from 60-1150 RPM for aqueous, viscous, or semi-solid solutions. Stronger, larger magnet improves stir bar coupling combined with automatic ramp up speed adjustment minimizes decoupling. Microprocessor maintains consistent and repeatable temperature settings from 5° C (if ambient temperature is 0° C or lower) up to 550° C. Digital LED temperature display is adjustable in 5° C increments and blinks until set temperature is reached. Safety features include: bright LED "hot top" icon lights up when top plate is over 60° C, even when heat control is turned off. Includes stirrer. 120V/60 Hz with three-prong plug, ILL and cUL approved. Two-year warranty.</p>	each	12
42	<p>Mega Depot</p> <p>Stuart Dynalox SMP10 Melting Point Apparatus</p>	each	15
43	<p>Pasco</p> <p>Pasco WA9867 Sine wave generator</p>	each	6
44	<p>Pasco WA-9857 String vibrator</p>	each	6
45	<p>Pasco WA- 9495 Economy resonance tube</p>	each	6
46	<p>Pasco PS-2600 spectrometer</p>	each	10
47	<p>Pasco PS-2601 Fiber optic cable for PS-2600</p>	each	10
48	<p>Global Technologies Simulations for Education</p> <p>Somso QS54 Case with Collection "Vertebrae and Spinal Cord"</p>	each	4
49	<p>Holt Anatomical</p> <p>3B Scientific C14 Half Head w/ Musculature Median Section</p>	each	6
50	<p>Somso A59/1 Flexible Spine</p>	each	8
51	<p>3B Scientific G08 Classic student size heart, 2 parts</p>	each	5
52	<p>3B Scientific G08/3 Classic heart with conducting system</p>	each	5
53	<p>3B Scientific C30 Nervous system, half life size</p>	each	2

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54	Somso QS 7/8-E Artificial Human skull showing midsagittal structures	each	6
55	Somso QS 23 Skeleton of the foot	each	5
56	Somso QS 65/5 Cervical vertebral column with shoulder griddle	each	2
57	Somso GS6 Cartylages of the larynx	each	3
58	Somso MS 3 Male genital organs	each	6
59	Somso MS 5 Female genital organs	each	6
	VWR		
60	3B Scientific 470004-520 3B Scientific®14 Part Unisex Torso with Head	each	3
61	3B Scientific 470119-032 Life-Size Muscle Torso 27 Part	each	3
62	Graham-Field Inc 470023-566 Ishihara Color Blindness Test Charts, 10 Plates	set	2
63	Somso 470015-714 Eye in orbit model with Accessory Structures	set	6
64	Somso 470015-730 Spinal cord section model	each	6
65	Somso 470006-484 Neuron Model	each	6
66	Somso 470029-634 Larynx model	each	4
67	Somso 470015-718 Thoracic organs model	each	1
68	Somso 470015-720 Fetal circulation model	each	1
69	Eisco 470136-054 6 part Upper trip root molar	each	2
70	Somso 470029-908 Stomach model	each	1
71	Somso 470015-710 Liver model	each	2
72	Somso 470015-740 Digestive Tract Model	each	1
73	GPI Anatomical 470002-666 Colon Model	each	1
74	Somso 470029-712 Ovary model	each	3
75	Somso 470029-598 Kidney structures model (3 magnifications)	each	5
76	Somso 470015-632 Oversized Kidney model	each	6
77	Somso 470007-326 Advanced human skull	each	4
78	Somso 470006-488 Larynx with tongue	each	5
79	Kyoto Kagaku America, 470029-544 Vascular System Model	each	2
80	Somso 470029-734 Brain Stem Model	each	4
81	Somso 470030-054 Sphenoid Bone	each	8
	Advion Inc.		

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82	Advion CMS-S01 Compact Mass Spectrometer with m/z 1200 mass range. Single quadrupole analyzer with liquid introduction interface. Includes manual flow injection valve; Mass Express system control software and Data Express data processing software. Includes 2 (two) attendees at Advion Ithaca-based training course, SRV301, free of charge.	each	1
83	Advion IS-ESI-S01; Electrospray Ionization (ESI) ion source for expression Compact Mass Spectrometer, for S and L CMS models	each	1
84	Advion PMP-001; Edwards RV12 rotary vane pump with oil mist filter and oil return (110 - 240 V a.c.) - included in price of CMS	each	1
85	Advion VS110 110 V a.c. setup (e.g. North America)	each	1
86	Advion SRV302 Installation and basic training for expression Compact Mass Spectrometer.	each	1
87	Advion ACC301 Replacement API Heated Capillary	each	1
88	Advion ACC311 Laptop computer meeting operating specifications for the expression	each	1
89	Advion ACC371 UHPLC & HPLC interface accessory kit containing required tubing, fittings, and cables.	each	1
90	Advion SRV303 12-month warranty upon installation	each	1
	Applied Photophysics		
91	Applied Photophysics Ltd SX20/D/SMSC Stopped flow spectrometer: A high performance automated stopped-flow spectrometer with comprehensive absorption, fluorescence, and light scattering capability	each	1
92	Applied Photophysics Ltd SX/PDADC-UV Directly Coupled Photodiode Array Detector.	each	1
93	Applied Photophysics Ltd SX/PROKIV ProK Global Analysis and Simulation Software	each	1
94	Applied Photophysics Ltd SX/AN Anaerobic accessory. Nitrogen purged manifold and 3-way valves for use with air sensitive samples.	each	1

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95	Applied Photophysics Ltd SX/PSI5 Packing, shipping and insurance	each	1
96	Applied Photophysics Ltd SX/IN7 Installation and training	each	1
97	Applied Photophysics Ltd SX/AT1 Additional training 2 days for PDA accessories	each	1
	BioAnalytical System Inc.		
98	BioAnalytical System Inc. EF-1030F Epsilon EClipse™ Electrochemical Analyzer Potentiostat/Galvanostat. Single Channel	each	1
99	BioAnalytical System Inc. EF-1644 BASIC software package: Techniques Include: Cyclic Voltammetry/Linear Sweep Voltammetry Chronoamperometry/Chronocoulometry Controlled Potential Electrolysis DC Potential Amperometry Open Circuit Potential vs. Time Chronopotentiometry	each	1
100	BioAnalytical System Inc. MF-8285 Personal Computer with software loaded and tested	each	1
101	BioAnalytical System Inc. EW-4960 BI-POTENTIOSTAT-Techniques Include: Multi-Channel Amperometry Multi-Channel Cyclic Voltammetry Multi-Channel Chronoamperometry	each	1
102	BioAnalytical System Inc. EF-1676 BASIC PLUS Software Option-Techniques Include: Sampled Current Polarography Normal Pulse Voltammetry/Polarography Differential Pulse Voltammetry/Polarography Square Wave Voltammetry Stripping Voltammetry Techniques Double Potential Step Chronopotentiometry	each	1

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103	BioAnalytical System Inc. EF-1677 C-3 CELL STAND-Includes: Lemo to Lemo – 4ft (1) Ribbon cable Power cord	each	1
104	BioAnalytical System Inc. EF-108C-3 cell accessories kit ER-9132 Teflon coated stir bar (1) MF-1998 Cell lead clips kit (1) MF-2012 Glassy Carbon Electrode (1)	set	1
105	BioAnalytical System Inc. EW-7524 MF-2013 Platinum voltammetry electrode (1)	each	1
106	BioAnalytical System Inc. ER-9515 MF-2052 RE-5B Ag/AgCl reference electrode (3) MF-2060 Electrode modifier - PK-4 electrode polishing plug (1)	set	1
107	BioAnalytical System Inc. MW-2980 MR-1208 Glass voltammetry cell vial (12) MR-1210 Low volume cell vial (2); MR-5275 Reference electrode storage vial w/cap (1); MW-1032 Platinum wire aux electrode (1); MW-1034 Cell top plug (1)	set	1
108	BioAnalytical System Inc. ER-8502 USA Power Cable 7'	each	1
109	BioAnalytical System Inc. ER-9514 USB Cable	each	1
110	BioAnalytical System Inc. ER-9861 Cell Lead Cable	each	1
111	BioAnalytical System Inc. ER-9862 Epsilon Eclipse Cell Stand Cable	each	1
	Agilent Technologies		
112	Agilent Technologies G9802AA Cary Eclipse spectrofluorometer-Cary Eclipse BioMelt Bundle includes WinFLR Software, Desktop PC, Multicell Holder 4 Position and Temperature Controller With the following configuration: Ship-to Country : USA Installation (44K) Familiarization at Installation (44L)	each	1

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113	Agilent Technologies 9805A Automated polarizer accessory includes excitation and emission filter mechanisms, polarizing film etc. With the following configuration: Ship-to Country : USA Installation (44K)	each	1
	Fisher Scientific		
114	DI-PAK Purification Pack, medium size (2.3 L of resin) Cat # CPDI0NJM	1	each
115	SmartPak DQ3 LT Purification Pack Cat # SPR005741USx	1	each
116	Case, Coloured Label; Fisherbrand; Durable; Oil, acid resistant; Includes 2 blue, 2 pink, 2 green, 2 red, 2 yellow, 4 orange, 4 white; Strong; Width: 9.75 in. (19mm); 14 yd. (13m) rolls; Rainbow case of 16 tape. Cat #15-901-5R	1	case
117	Nitrile Exam Textured Lab Gloves, Large, 100/box 10box/case. Cat # 50-930-790	1	case
118	Nitrile Exam Textured Lab Gloves, Medium, 100/box 10box/case. Cat # 50-930-788	1	case
119	Nitrile Exam Textured Gloves, Small, 100/box 10 bx/case, Cat # 50-930-780	1	case
120	Corning™ Stripette™ Individually Paper-Wrapped Disposable Polystyrene Serological Pipettes Capac.: 10mL; Subdiv.: 0.1mL; Negative graduations: 3mL; 200/Cs. Cat #07-200-574	1	case
121	Corning™ Stripette™ Individually Paper-Wrapped Disposable Polystyrene Serological Pipettes Capac.: 5mL; Subdiv.: 0.1mL; Negative graduations: 2.5mL; 200/Cs. Cat # 07-200-573	1	case
122	PIPETMAN TIPS Diamond – AUTOCLAVABLE TIPACK™Sterile pipette tips that will fit Gilson pipetman, D1000 - 100-1000µl range. Cat # F171500G	1	each
123	PIPETMAN TIPS Diamond – AUTOCLAVABLE TIPACK™Sterile pipette tips that will fit Gilson pipetman - 2-200ul range. Cat #F171300G	1	each
124	BioSep-SEC-S2000 - Hydrophilic Bonded Silica column, 5 µm SEC-s2000 145 Å, LC Column 150 x 2 mm. Cat # 00F-2145-B0	1	each
	ThermoFisher Scientific		

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125	Thermoscientific HEPES filter, air flow rating 4cfm, resistance < 0.44 inches w.g., efficiency 99.97 (0.3 micron), serial number TS12195H422167; 4/pack Cat # 760209	1	pack
126	Gas Line Filters, Replacement Gas Connection Inline Filters for Napco 8000 Series CO2 Incubators, 10/pack Cat # 15-497-026	1	pack
127	Thermo Scientific™ Nunc™ Cell-Culture Treated Multidishes - Dish, Cell Culture; Thermo Scientific Nunc; Nunclon delta treated; Polystyrene; With lid; Sterile; 6 round wells; Flat bottom; Suggested working volume 3.0mL/well; Culture area: 9.6cm2/well; L x W: 128 x 86mm; 75/Case, Cat #14-832-11.	1	case
128	Trypan Blue Solution, 0.4%, is routinely used as a cell stain to assess cell viability using the dye exclusion test, 100ml Cat # 15250061	1	each
129	Orion Star A212 conductivity/TDS/salinity/resistivity benchtop meter kit with DuraProbe 4-cell conductivity sensor, solutions and stand. Cat # STARA2125.	1	each
	Sigma Aldrich		
130	Antibiotic Antimycotic Solution (100x), Stabilized -This solution is formulated to contain 10,000 units penicillin, 10 mg streptomycin and 25µg Amphotericin B per mL, and is solubilized in a proprietary citrate buffer. Cat # A5955	1	each
131	CHO-K1 Cell Line from hamster, Cat # 85051005 be called for as needed	2	each
132	RPML-1640 Medium, Modified w/20 mM HEPES & L-glutamine, w/o sodium bicarbonate, sterile-filtered, suitable for cell culture, 6x500ml/pack Cat # R7388;	1	pack
133	Cytochrome C Oxidase assay kit, Cat # CYTOCOX1	1	each
134	Amicon® Ultra-4 PLQK Ultracel-PL membrane, 50 kDa -polypropylene tube ,regenerated cellulose membrane , styrene-butadiene housing, working volume 4ml, 50 kDa MWCO 24/pack. Cat # Z740194-24EA	1	pack
135	Amicon® Ultra-0.5 Ultracel-50 membrane, 50 kDa. Cat # Z740177-24EA 24/pack	1	pack
	Abcam		
136	Mitochondrial isolation kit, Cat # Ab110168	1	each
137	GFP protein (Active). Recombinant A Victoria GFP Protein Cat # ab84191	1	each
	Biorad		

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138	Biofuel enzyme kit, Cat # 166-2850EDU	1	each
139	Mini-PROTEAN TGX gels 4-20%, 10-well, 50 µl, 10/box Cat # 456-1094 To be called for as needed	1	box
140	Green Fluorescent Protein Chromatography Kit - 166-0005EDU,	1	
141	pGLO Bacterial Transformation Kit Cat # 166-0013EDU	2	each
142	Cell Counting Slides for TC10™/TC20™ Cell Counter, Dual-Chamber, 80 x 30 slides. 4,800 counts Cat # 1450020	1	pack
143	GelAir Drying System, Cat # 1651771EDU	1	each
144	Gel Air drying frames, Cat # 1651775EDU	1	each
145	Gel assembly table, Cat # 1651776EDU	1	each
146	Gel Air cellophane support, Cat # 1651779EDU	1	each
147	Gel Air drying frame clamps, 16/pack Cat # 1651780EDU	1	pack
148	GMO Investigator™ Kit, Cat # 1662500	1	each
149	10% precast polyacrylamide gel, 8.6 × 6.7 cm (W × L), for use with Mini-PROTEAN electrophoresis cells, 2/pack Cat # 4565034 To be called for as needed	18	pack
150	ELISA Immuno Explorer™ Kit. Cat # 1662400 Clontech	1	each
151	pZsGreen1-C1 Vector - Living Colors ZsGreen1 is a bright green fluorescent protein derived from a Zoanthus sp. reef coral (1) that has been modified for high solubility, bright emission, and rapid chromophore maturation. The ZsGreen1 fluorescent protein has been reported to have better expression in cultured cells. It has been used for transfection experiment with CHO cells, 20ug. Cat # 632447	1	each
152	pDsRed2-Mito Vector, 20ug. Cat# 632404 VWR	1	each
153	VWR® Advanced Protection Anti-Skid Shoe Covers - VWR® Advanced Protection Anti-Skid Shoe Covers are manufactured from a specially formulated PP/PE (polypropylene/polyethylene) microporous film. These shoe covers provide excellent fluid and barrier protection. Highly durable shoe covers ensure long-lasting abrasion- and skid-resistance. Standard, Universal size, Cat #414004-649, 300/case	1	case

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	Biorad		
154	TC20 Automated Cell Counter, Cat # 1450102EDU	2	each
	I Miller Precision Optical Instruments Inc		
155	Filter system D (small) for UV400let excitation, excitation filter: BP 355/425, dichromatic mirror: 455, suppression filter: LP 470, Cat # 11513825	2	each
	Fisher Scientific		
156	Mini Vortex Mixer, Cat # 14-955-151	2	each
	Simulation Solutions, Inc.		
157	Distillation Column Virtual Reality Simulation, with Dynamic Profitability Analysis Cat# Distillation w/VR	1	each
158	Distillation instructor laboratory exercise booklet -English 303 (pdf) Cat # 12-LEB-I-303E	1	each
159	Distillation student laboratory exercise booklet -English 303 (pdf) Cat # 12-LEB-S-303E	1	each
	Chemglass Life Science		
160	Bump Trap, 100mL, self washing rotary evaporator, 24/40 top outer, 24/40 lower inner, #CG-1319-02	3	each
161	100mL Flask, reaction, 24/40 outer joint, 2 mm glass stpk, airfree, Schlenk #A6520-05	2	each
	Phenomenex		
162	Kinetex 2.6 um C18 100 A, LC column 50 mm x 4.6 mm, #00B-4462-EO	3	each
163	Gemini 3um C18 110 A, LC column 30 mm x 4.6 mm, #00A-4439-EO	1	each

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