

FF

Student Technology Fee
Funding Request Form
Special Initiative Fiscal Year 2007-2008
Northwestern State University of Louisiana

This document will not be accepted without complete information, detailed budget, specifications of each piece of equipment requested and pricing.

Prepared by: Zafer Hatahet For: Biology Department

College: Science and Technology Campus: Natchitoches Department: Biological Sciences

Where will requested equipment be located/installed/housed: Bldg. 90 Rooms 107, 109, 224, 304

\$ 295,163.90

Bldg. 81 Rooms 229, 235

Are property policies and procedures in place by the department for equipment requested. Yes

Delivery to the Student Technology office located in Watson Library, Room 113. Date 8/13/2007

1. Describe target audience

Students enrolled in all biology labs (917 students are currently registered for the 073 semester in BIOL 1011, 1021, 4021, MBIO 2061, 4121, ZOOL 1221, 1231, 2051 and 3361. This number is comparable to most semesters and not an abnormal spike).

2. Describe project/initiative for which you are requesting funds.

Modern biology is a fast moving field that depends heavily on technological instruments. Prior to 2002, most of the labs in the biology department utilized equipment that was decades old, therefore technologically obsolete. In the past 5 years, the department has been fortunate to receive several NSU Student Technology Fee as well as Louisiana Board of Regents Enhancement grants with which a significant number of technologically advanced lab instruments were purchased. An informal survey showed that such instruments were received very favorably by the students. However, with the exception of the molecular biology labs (BIOL3301 and 4021), most courses still suffer from shortage of basic lab instruments commonly used in all universities, e.g., automatic pipettors, centrifuges, water baths, incubators, etc. This grant application aims to first, remedy this situation by requesting funds to purchase basic, small ticket lab instruments for BIOL 1011, 1021, MBIO 2061, 4121, 4171, 4191, ZOOL1221, 1231, 2061, 3171 and 4211). In addition, if funds are available, it would be of great benefit to the biology students to add one or two major instruments that can be used in multiple upper level lab courses.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

- a. Have sufficient basic instruments available in every biology lab.
- b. Utilize the hands-on experience acquired in these labs to reinforce and cement the theoretical knowledge students acquire in the lecture courses.
- c. Expose students to modern scientific equipment and provide them with the skills to use them.
- d. Prepare students for future careers (e.g., biotechnology or pharmaceutical industry) or post-graduate programs. Students who have practical experience are at a much higher advantage of either employment or admission into graduate programs.

4. Indicate how each objective will be evaluated.

- a. The syllabi for each of all lab courses are currently under review. By the end of 2007-2008

academic year, all labs will be updated to take advantage of modern techniques.

- b. Syllabi from peer universities will be reviewed to ensure that NSU course contents are of equal or superior quality.
- c. Review student evaluations of biology courses “before” and “after” implementation of this project to gauge its impact on the students’ ability to comprehend and “enjoy” the course material.
- d. Survey NSU graduates who enroll in post-graduate programs and determine whether lab courses helped them in their post-graduate studies; i.e., did the skills acquired in these labs provide them with an advantage in their graduate studies, obtaining a job, etc.

5. Provide a justification for funding the project. Estimate the number of students that will be served per academic year and in what ways. Please indicate also any unique needs of the target group.

- a. As stated earlier, 792 are registered in biology lab for the 073 semester (not counting Vet Tech students or the Leesville/Fort Polk campus). Based on a survey of prior years, this number is a normal average, and a similarly large group of students enroll in lab courses during the spring semester. Therefore, a minimum of 1,500 students would be served per academic year.
- b. Some of the current labs, e.g., MBIO2061, consistently serve a large number of students (200 per year) yet still utilize 1970s vintage instruments (most of which is rusted out, not fully functional, etc.).

6. If funded, which NSTEP (<http://www.nsula.edu/nstep/NSTEP.pdf>) objective will this funding of this project advance. How will funding of the project advance the University and College / unit technology plan?

This project will help fulfill at least three NSTEP objectives, namely,

- *Objective 1: To improve access to technology by students, faculty, and staff at Northwestern State University.* This instrument would allow students and faculty to experience many modern techniques in molecular and classical genetics and in immunology. These techniques are sorely lacking in the current curriculum.
- *Objective 3: To upgrade student technology laboratories with modern technology.* As already mentioned, the immunology lab (currently located in Kyser Hall) has until recently offered 1960 and 1970s. Updating the curriculum to include standard modern techniques such as Southern, Northern and Western Blotting, ELISAs, and EMSAs would be an essential improvement.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project?

- a. Dr. Zafer Hatahet, head of the biology department, will coordinate and oversee the implementation of the project in Bienvenu building. He has had over 15 years of experience teaching undergraduate and graduate level courses. He has also actively pursued modernization of biology labs since his arrival at NSU two years ago, with the help of four Student Tech Fee grant and one Louisiana Board of Regents Grant. The labs he teaches (Molecular and Advanced Molecular Biology) received student evaluation scores of ~4.8/5.0 in the past four semesters. The anonymous students comments consistently contained statements to the effect that these were the “best labs they have ever taken at NSU”.
- b. Dr. Fran Lemoine will coordinate and oversee implementation of the project in Kyser Hall. She is a highly qualified professor trained in some of the best universities in the US (Baylor College of Medicine, and Duke), and has been a great addition to NSU. In the one year she has been teaching, her immunology lab received a perfect 5.0/5.0 in student evaluations of overall quality.

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

Other than faculty members already employed by the department, no personnel would be needed.

9. Provide a schedule for implementation and evaluation.

a. Implementation.

- i. Purchase. Equipment can be purchased and installed within 4-8 weeks from approval of a budget.
- ii. Syllabus updates. The biology department is undertaking a major initiative for the academic year of 2007-2008 to review and update its entire curriculum. All course will have syllabi reflecting state of art knowledge by the end November of 2007, in time to submit them to the Curriculum Review Committee for approval.

b. Evaluation.

- i. Syllabus evaluations will be performed at the end of each semester in the three academic years following purchase of the equipment.
- ii. Student evaluations will be surveyed for three academic years following update of the course syllabus.
- iii. Surveys of NSU graduates will be performed for three years following graduation of the students who used the instruments in laboratory courses.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

- a. Based on prior experience, the hardware should easily last 10 years. Most modern instruments cease to be used because they become technologically obsolete rather than breaking down.
- b. No software is involved.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Tech Fee grant

Equipment in the biology department are housed in secured laboratories which are kept under lock and key at all times.

12. Attach a detailed budget, including: specs., description, cost, state contract number, and vendor for each item; cost of outside support personnel; and a description of how the proposal will support University/College/unit resources (i.e., cash match, funds from other sources, or reallocation of existing hardware/software or other equipment. **All of the information requested must be attached or the request will not be accepted.**

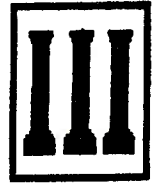
See attached document.

13. Attach a letter of support for the project signed by the requesting unit's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).



COLLEGE OF SCIENCE & TECHNOLOGY

OFFICE OF THE DEAN



August 13, 2007

Student Technology Fee Committee

Good Morning to Committee Members:

I am writing this letter in support of the grant request from Dr. Hatahet for essential and important equipment listed in his proposal. The Department of Biological Sciences is revamping curriculum and courses to include more modern topics in biological sciences. With this move, additional equipment and supplies are needed to insure that our students are receiving the most up to date laboratory training. The laboratory budget of the Department is not adequate to purchase the type of equipment that is needed. So your assistance in providing the funding is appreciated.

Thank you for your consideration of this proposal.

Very truly yours,

Austin L. Temple Jr., Ph.D.
Dean, College of Science and Technology



DEPARTMENT OF BIOLOGICAL SCIENCES
COLLEGE OF SCIENCE & TECHNOLOGY
Phone (318) 357-5323, Fax (318) 357-4518



August 13, 2007

Ms. Jennifer Long Martin
Student Technology Support
113D Watson Library

Dear. Ms. Long Martin

I am writing to strongly support the Department of Biological Sciences application for this Student Technology Fee Special Initiative grant.

As I am sure you are aware, our department represents one of the largest constituencies on the NSU campus. At the same time our field of study is experiencing development at a very fast pace, demanding that the teaching resources be updated on a regular basis.

In an effort to provide our student with the highest quality instruction and with the competitive edge to gain employment or admission into post-graduate programs, we are requesting funds to modernize a large number of laboratories in Bienvenu and Kyser Halls. I personally promise you that the equipment will be put to good and extensive use by the students. Having been fortunate to receive several student tech fee grants in the past couple of years, I can also assure you that these grants have made a huge impact on the quality of labs and student perception of the department and the university at large.

Finally, the application was structured into 4 categories on purpose to allow for flexibility in funding part of the grant if resources become limited.

Thank for your continued support of the Department of Biological Sciences.

Zafer Hatahet, Ph.D.
Professor and Head

7282 -
7280 -
7281 -

List of requested equipment, with cost and justification

1. Essentials: common, small-ticket instruments needed in most labs

Item	To be used in	Unit	# Units Needed	\$ Each	\$ Total	Vendor	Catalog #
Automatic pipettes	Several labs	Set	32	699.00	22,368.00	Rainin	PR-START
Multichannel pipettes	MBIO4191	Ea	8	373.56	2,988.48	Fisher	21-377-246
Water bath, 5L	Several labs	Ea	4	681.63	2,726.52	Fisher	15-462-5Q
Water bath, 10L	Several labs	Ea	2	777.84	1,555.68	Fisher	15-462-10Q
Polypropylene Sterilizing Trays	Several labs	Case	1	313.78	313.78	Fisher	13-359-20B
Test Tube Racks, 20 mm	Several labs	Case	6	170.82	1,024.92	Fisher	14-809-64
Test Tube Racks, 30 mm	Several labs	Case	6	186.96	1,121.76	Fisher	14-809-44
Vertical Gel Boxes/Blotters	Several labs	Set	6	1,233.00	7,398.00	BioRad	165-8033
Rocker/Agitator	Several lab	Ea	2	854.40	1,708.80	Fisher	09-047-113
Inoculating Loops	MBIO2061	Pack	4				
	MBIO4121			49.66	198.64	Fisher	22-032-092
Cell Spreaders	MBIO2061	Ea	32				
	MBIO4121			9.96	318.72	Fisher	08-769-2B
Plate Turn-tables	MBIO2061	Ea	16	46.41	742.56	Fisher	14-512-50
Shaking incubator	MBIO2061	Ea	1				
	MBIO4121			1,515.00	1,515.00	Fisher	14-285-729
Shaking Incubator Platform		Ea	1	357.45	357.45	Fisher	14-278-12
Shaking Incubator 250mL Clamp		Ea	4	26.00	104.00	Fisher	14-278-162
Shaking Incubator 1L Clamp		Ea	2	38.00	76.00	Fisher	14-821-26
Microcentrifuge	MBIO2061	Ea	4	2,106.00	8,424.00	Fisher	75-002-488
Dropper Bottles (2 oz.)	MBIO2061	Ea	2	180.17	360.34	Fisher	03-006-3
Hemocytometers	MBIO4191	Case	16	116.40	1,862.40	Fisher	02-671-5
Sample Counters	MBIO4191	Ea	16	16.56	264.96	Fisher	07-905-2
					55,430.01		

7282 - #4, 899.60
7280 - #4, 854.00

2. Essentials: common, intermediate-priced instruments needed in several labs

Item	To be used in	Unit	# Units Needed	\$ Each	\$ Total	Vendor	Catalog #
Ultra Low Freezer	Several Labs	Ea	1	9,021.00	9,021.00	Sanyo	MDFU73VC
CO ₂ incubators	Several labs	Ea	1	10,678.00	10,678.00	Sanyo	MCO35AICUV
Biological Safety cabinet	Several labs	Ea	1	9,250.00	9,250.00	Baker	SG603a
Chromatography refrigerator	MBIO2061	Ea	1	\$3,761.00	\$3,761.00	VWR	82009-778
	MBIO4121						
Microplate Reader	Several Labs	Ea	2	5,895.00	11,790.00	BioRad	168-1003
Slide staining station	MBIO4191	Ea	1	2,735.29	2,735.29	Fisher	FD-188-10A
	ZOOL3171						
LCD Projector/Tablet PC Bundle	Kyser 235	Ea	2	3,100.80	6,201.60	Gateway	NECLT280
	Kyser 229						E-155C
Dishwasher	MBIO2061	Ea	1	5,296.00	5,296.00	Fisher	15-352-801
					58,732.89		

7280 - # 9,597.09
7281 - 40,140.00

3. Important: large-ticket instruments needed in several labs

Item	To be used in	Unit	# Units Needed	\$ Each	\$ Total	Vendor	Catalog #
Flow Cytometer	BIOL3271						
	BIOL3301						
	BIOL4021						
	MBIO4191	Ea	1	118,624.00	118,624.00	BD Bioscience	342974
	MBIO4171						640283
Autoclave	MBIO4121						
	ZOOL4211						
	Most Labs	Ea	1	40,707.00	40,707.00	Steris	SF0221011
					159,331.00		

7281 - 159,331.00

4. Convenient: Instruments requested by one lab instructor (BIOL4401)

1	Boreal Digital/Analog Zoom Stereomicroscope w/video camera	\$1,495	7280	1495.00
15	Leica Zoom 2000 Advanced Stereomicroscope	\$995 each	7282	14925.00
15	150W fiber optic light source with rheostat intensity control with bifurcated self-supporting gooseneck light pipes.	\$350 each	7282	5250.00
Estimated Total		\$21,670		

Justification

1. The vast majority of the items listed under category 1 (automatic pipettors, water baths, test tube racks, cell spreaders, incubators, centrifuges, etc) are "bare-minimum" equipment in any modern laboratory. Some labs in the biology department, e.g., the molecular biology lab, are already equipped with such items. The vast majority of the other labs are not. This equipment will be used primarily in
 - a. Kyser hall to support MBIO2161, MBIO 4121, and MBIO 4191. Currently, the microbiology labs in Kyser hall are completely devoid of pipettes, centrifuges, cell spreaders, turntables, and hemacytometers. The other requested equipment which is at hand, e.g., water baths and test tube racks, are extremely old and should be discarded.
 - b. Bienvenu hall to support BIOL1011, 1021, ZOOL1231, 3171, 4211 and MBIO4171. Most of these lab have no pipettes, centrifuges, water baths, etc.
2. The items listed under category 2 are slightly lower priority than those listed in category 1. They include
 - a. "Shared resources" such as the ultra low freezer, CO₂ incubators, chromatography refrigerator, and biological safety cabinet, all of which are essential for the growing and maintaining mammalian tissue culture. Labs which would depend on the presence of such equipment include BIOL3271, 3301, 4021, MBIO4191, and ZOOL4211.
 - b. The microplate readers and slide staining station are extremely useful instruments that can be in several courses. They are relatively light weight and can be shared between courses such as BIOL1011, 1021, MBIO2601, MBIO4191, MBIO4121 and ZOOL 4211.
 - c. The Dishwasher and LCD projectors are sorely needed in Kyser hall. Currently, all glassware in the microbiology labs has to be shuttled back to Bienvenu for cleaning. Equally, LCD projectors have become indispensable teaching tools and their lack impedes the faculty's ability to properly

teach.

3. The large-ticket items listed under category 3 are requested “pending fund availability”.
 - a. The Flow Cytometer is a versatile, “high-tech” instrument that is ubiquitously present in hospital and research lab settings. It would be a very valuable addition to multiple courses and would increase student exposure to “real life” instruments.
 - b. The autoclave is an essential instrument for sterilization of solutions and decontamination of biological samples before they can be safely disposed. The biology building has a functioning autoclave but it is 38 years old and in constant need of repair. A replacement is urgently needed.
4. The microscope listed under category 4 were requested by the Ecology lab (BIOL4401). They would be useful to have, but other microscopes may be borrowed from other labs.

THE BAKER COMPANY

Date: July 25, 2007
Quote No.: Q-071309

Zack Hatahet
Northwestern State University
Natchitoches, LA 71457

Phone #: 318-357-5344

Fax #:

E-mail: hatahetz@nsula.edu

Thank you for your recent request for quotation.

Qty	Model	Description	Unit Price	Total Price
1	SG-603a SterilGARD® III Advance °	<p>6', Class II, Type A2, Vertical Laminar Flow Bench Model Biological Safety Cabinet, with the following features:</p> <ul style="list-style-type: none"> • overall unit size 77-5/8" W x 30-9/16" D x 61-3/4" H workarea size 70"W x 24-5/8"D x 27-1/2"H (usable work surface 19-5/8"D) • UniPressure™ Preflow air management system; innovative telescoping plenum provides direct seal of HEPA filter to full perimeter of plenum, simplifying filter changes & decontamination while increasing uniformity of airflow through supply filter • high velocity return air slots along top and side edges of viewscreen access openings provide increased containment • one piece stainless steel workarea with radiused corners for ease of cleaning; straight backwall and low-profile drain pan • double-wall, all-metal, negative pressure plenums completely surround workarea to prevent contaminated air from entering lab • large worksurface measuring 20-1/8" from front to back (useable work surface) • high visibility viewscreen slanted 10° from vertical; constructed of ¼" safety plate glass; opens to 19-3/4" for equipment loading • StediVOLT™ - voltage compensating motor speed controller • high capacity, low resistance supply & exhaust HEPA filters last an average of 7 to 10 years due to motor/blower combination • one petcock and one pre-piped penetrations exiting bottom of cabinet located on the right hand side. Additional petcocks can be purchased at time of order. (Piping may also exit on back or top - please specify when ordering.) • intelligent microprocessor-based control system • easy-view controls in moisture-proof membrane touchpad ergonomically positioned at eye-level for seated user • visual/audible sash alarms for safe sash operation position • alarm mute for preset period during cabinet loading • Viewscreen alarm via proximity switch • controls ensure that the cabinet is fail safe by continuing to operate the blower on any powered system fault • two 115-volt duplex outlets, GFI protected, on each sidewall include a self-resetting circuit breaker and a trip warning light • solid-state electronic ballast reduces flicker and heat output; saves energy while increasing lamp life by 50% 		

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\$8,990.00

Optional Accessories:

- UV germicidal lamp; minimizes UV exposure by operating only with sash fully closed - \$245.00
- Adjustable base stand, for work surface heights between 30-1/8" and 38-5/8" (overall height 89-7/8" – 98-3/8") - \$460.00
- Additional petcocks - \$98.00
- Additional pre-piped penetration - \$140.00

F.O.B.: Origin, freight is prepaid and added to invoice.

- If a dock is not available, please notify The Baker Company to include a lift gate truck at an added charge.

Pricing: Prices are valid 60 days from date of this quotation.

Tax: Taxes are not included in prices. If this purchase will be exempt from state tax at the ship to address please include a copy of the state exempt certificate with your purchase order.

Delivery:

1. Baker will make a good faith effort to meet your requested delivery; however, delivery is contingent upon the timely receipt of your purchase order, receipt of approval drawings (if required), and Baker's actual production schedule at the time the order is placed. Unit fabrication will not begin until we receive a complete and accurate purchase order. **To avoid any confusion, please reference your Baker quotation number on your purchase order.**
2. Should your facility not be ready, Baker will require notification of your new acceptance date at least two weeks before the original delivery date. If Baker does not receive notification, storage charges will apply.

Payment Terms:

Net 30 days on established accounts. A 1-1/2% monthly service charge, which is an annual percentage rate of 18%, will be charged on all overdue accounts.

Purchase Orders should be made out to:

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Sanford, ME 04073

Remit To Address:

The Baker Company
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Boston, MA 02284-5005

Warranty: Thirty-six (36) Months; see last page of literature for terms and conditions.

Sales Representative: Mr. Dennis Dahmer of Scientific Consultants at 225/292-4447

Pat Robbins
Customer Service Representative
The Baker Company
800.992.2537, ext. 370
probbins@bakerco.com

† **Note to customers and receiving personnel: All unit shipments are monitored during transit. Unit shipments contain a DROP (N) TELL impact indicator to identify possible concealed damage that may have occurred during transit. All shipping containers will be clearly marked, please follow the instructions on the DROP (N) TELL tag when receiving merchandise in.**

Appendix A

Standard Warranty

The Baker Company, Inc., expressly represents and warrants all goods (a) to be as specified (and described) in The Baker Company catalogs and literature, and (b) to be free under normal use, service and testing (all as described in The Baker Company catalogs and literature) from defects in material and workmanship for a period of thirty-six months from the invoice date.

The exclusive remedy for any breach or violation of this warranty is as follows: The Baker Company, Inc., will F.O.B. Sanford, Maine, furnish without charge repairs to or replacement of the parts or equipment which proved defective in material or workmanship. No claim may be made for any incidental or consequential damages.

This warranty is expressly in lieu of all other warranties, expressed or implied, including any implied warranty of merchantability of fitness for a particular purpose unless otherwise agreed in writing signed by The Baker Company. (The Baker Company shall not be responsible for any improper use, installation, service of testing of the goods.)

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QUOTATION

NORTHWESTERN STATE UNIVERSITY (36976)
CONTROLLERS OFFICE
NATCHITOCHE, LA 71497 US

Zafer Hatahet, Ph.D., Professor & Head Dept. of Biological Sciences
(Phone: 318-357-6514)


STERIS Quote No: PCASTEL402641
Date: July 25, 2007

Submitted By:
Paul Castellano, Account Manager

STERIS is pleased to make the following proposal for your consideration:

NOTICE: Sale of any Products or Services covered by this quotation is conditioned upon Buyer's assent to the terms contained herein (including the Terms and Conditions of Sale and /or the Installation Terms and Conditions included on the last page(s) of this quotation). Any additional or different terms proposed by Buyer are hereby objected to and will not be binding upon STERIS unless specifically assented to in writing by STERIS' authorized representative in Mentor, Ohio.

Item	Equipment #	Description	Quantity	Extended Discount Price
1.0000	SF022101122000000	<p>Scientific Century Series 20" x 20" x 38" Sterilizer</p> <ul style="list-style-type: none"> • Scientific Sterilizers • Amsco Century Small & Medium Sterilizers (SF Series) • Small Century Sterilizers: 16" & 20" • 20" x 20" x 38" Chamber • Gravity • Power, Vertical Sliding • Single Door (Vertical) • Cabinet, Single Door • Standard Brass and Copper Threaded • Electric Steam Generator - Carbon Steel • 120V, 1 Ph; 460/480V, 3 Ph • No Special Code Approvals Required • English Language 	1	
1.0010	FV021005	<p>Loading Rack & Two Shelves-20x20x38" Sterilizer for Single Door unit only</p>	1	
1.0020	SE011121	<p>20 IN EAGLE CENTURY ELEC SD 1ST YEAR PM</p> <p>1.0000</p>	1	37,807.00
2.0000	SE011102	<p>INSTALL 20 INCH CENTURY/LAB 250/110 STERS</p>	1	2,900.00

Item	Equipment #	Description	Quantity	Extended Discount Price
3.0000	RE211040045	 <p>20 IN. REMFG GRAV LH 480V CAB STERILIZER HC</p> <ul style="list-style-type: none"> • Remanufactured Equipment • Amsco Renaissance Series Steam Sterilizer • 20" x 20" x 38" Chamber • Gravity • Single Manual Door • Hinge on Left Side of Door • Cabinet Enclosed • Electric; 480 Volts, 50/60 Hz, 3 Phase • NEED TO VERIFY GENERATOR VOLTAGE (208V, 240V, 480V). • NEED TO VERIFY DOOR SWING (LH or RH). 	1	
3.0010	AX006473	20X20X38 EAGLE RACK AND TWO SHELVES	1	
3.0020	SE018121	1st Year Maintenance - 20x20x38" Reman Sterilizer	1	34,517.00
4.0000	SE018122	Installation - 20x20x38" Renaissance Sterilizer	1	2,900.00
USD				

NOTE: ALL TAXES ARE EXCLUDED UNLESS OTHERWISE STATED.

NOTE: Under present circumstances, this quotation may be considered firm for thirty (30) days from this date. Acceptance later is subject to confirmation. Our quotation is extended on the basis of shipment being made within twelve (12) months after receipt of purchase order or contract. For extended shipments, add 1/2% per month for any subsequent period beyond (12) months.

Terms of Payment: Net 30 Days

Terms of Shipping: PPD/ADD

FOB: FOB Destination

In order to expedite handling, please include the following information on your purchase order:

- **Required delivery date of products at your facility**
- **Proof of tax exemption, if applicable**
- **Freight Terms (per quotation)**
- **Payment Terms (per quotation)**
- **Special Handling or Delivery Requirements (i.e., power lift gate, 24-hour notification, limited receiving dock hours, etc.)**
- **Trade-In items should include serial number**
- **Contact Name and Phone Number**
- **Ship to and bill to address**

*****TRADE IN EQUIPMENT REQUIREMENTS:**

1. Purchase order total(s) must be made in full excluding the trade-in allowance. Upon receipt of the good(s) by STERIS Corporation, full credit allowed for the trade-in will be applied to the Customer's invoice via a Credit Memo.
2. Federal Law (OSHA & DOT) requires that all used medical equipment be decontaminated prior to shipment or transport. Also required, are tags indicating which areas of the equipment have been AND have not been decontaminated. Call 1-800-895-6240 for information on decontamination procedures.

Paul Castellano
Account Manager

NORTHWESTERN STATE UNIVERSITY (36976)

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Title: _____
Date: _____
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NOTICE TO BUYER: STERIS Corporation ("Seller") hereby certifies that these goods were produced in compliance with all applicable requirements of Sections 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the U.S. Department of Labor issued under Section 14 thereof.

1. Offer and Acceptance

- A. The Seller's quotation constitutes an offer for the sale of Products or Services (the "Offer"). Unless otherwise specified in the Offer, or some other document signed by Seller, the terms and conditions of sale set forth in this document ("Seller's Terms") apply to all Products and Services sold or provided by Seller.
- B. Any purchase order or other form of acceptance issued by Customer shall result in a contract for the purchase of the Products or Services at the price quoted in the Offer. Customer shall be deemed to have accepted any of Seller's Terms to which Customer has not specifically objected. Customer's issuance of a purchase order which purports to reject some or all of Seller's Terms by virtue of standard form language shall not be sufficient objection. Customer shall be required to set forth each objection to Seller's Terms in a separate writing signed and dated by Customer and delivered to Seller prior to or contemporaneous with Customer's purchase order or other form of acceptance. Seller's failure to object to provisions in any purchase order, or other communication from Customer (including, without limitation, penalty clauses of any kind), shall not be a waiver of Seller's Terms, nor an acceptance by Seller of any such provisions. Any terms in Customer's purchase order or any other document of acceptance which are different from or additional to Seller's Terms are hereby rejected unless specifically accepted by Seller in a separate document signed by both Customer and Seller, regardless of whether such other terms would materially alter the terms hereof. No course of dealing, custom or usage, which is contrary to Seller's Terms shall apply.

C. Seller reserves the right to correct any typographical or clerical errors in prices, specifications, quotations, or acknowledgments.

II. Products or Services Subject to Sale

The Products (including equipment, supplies, and parts) or Services subject to this sale shall be limited to those described in the Offer. They do not include, and Customer assumes responsibility for (A) removal from tailgate of carrier, set-up, installation, and start-up; (B) safety equipment used with the Products or Services or by Customer's employees or any third parties in handling or working with the products; (C) signs, plaques, and training related to the proper installation, handling, use, storage, and disposal of the Products; and (D) all utility hook-ups, building code approvals, and other regulatory requirements, as applicable. If the Customer is a government entity, Customer acknowledges that the Products are commercial items and that except as required by law, government accounting and procurement principles do not apply.

III. Financial Condition

At Seller's request, Customer will furnish sufficient information to enable Seller to assess Customer's creditworthiness. Seller may, in its discretion, require letters of credit, full or partial payment in advance, or other forms of security.

IV. Prices

- A. Prices are subject to change without prior notification.
- B. Prices are based on U.S. dollars and are F.O.B. point of shipment. Prices do not include freight or delivery charges or taxes (sales, excise, use, ad valorem, etc.) or any export or import

duties. Those changes may be prepaid by Seller and added to Customer's invoice.

V. Shipment, Delivery, and Inspection

- A. Seller shall select the method and carrier for delivery of all Products. Title and risk of loss or damage to the Products shall pass from Seller to Customer upon delivery to a carrier at point of shipment.
- B. Any shipment, delivery, or performance date stated in the Offer or other contract document is approximate only and does not constitute any guarantee of shipment, delivery, or performance on any particular date.
- C. Time shall not be of the essence of this agreement.

VI. Payments, Title and Security Interest

- A. All payments shall be made in United States currency. All payments shall be without deductions for back-charges, other accounts between Seller and Customer, and the like, which shall be settled independently of the payment of the invoice. Payment shall not prejudice claims on account of omissions or shortages in shipment, but no such claim will be allowed unless made within 96 hours after receipt of the applicable shipment by Customer.
- B. Payment for Supplies or Parts shall be due 30 days from the date of Seller's invoice.
- C. Payment for Equipment shall be due upon receipt without regard to the actual date of installation. Pre-payment of 30% of the price will be required on receipt of order for, specially designed or specially engineered Equipment. If production by Seller is delayed by Customer, partial payment is to be made based on the contract price and a percentage of completion at the time of notification of delay. If shipment is delayed by Customer, payment shall become due 30 days from the date Seller has notified Customer it is ready to ship.
- D. Payment for installation of Equipment or Parts shall be due upon completion.
- E. Should Customer delay payment beyond the date it is due, interest may be charged on the unpaid balance at the rate of one and one-half (1-1/2%) percent per month.
- F. Notwithstanding that title and risk of loss pass to Customer upon shipment, Seller hereby grants a security interest in all Products to secure Seller's payment in full. Customer authorizes Seller at any time and from time to time to file in any filing office in any Uniform Commercial Code jurisdiction financing statements and amendments naming the Customer as debtor and describing the Products as collateral.

VII. Delays

- A. Seller shall not be liable for loss, damages, or non-performance resulting from delays in receipt of final specifications or instructions from Customer, changes in specifications, force majeure, including but not limited to strikes, labor disturbances, material shortages, non-manufacturing conditions, delays or failures of carriers or communication, epidemics, fire flood, storms, accident, riot, acts of terrorism, war and invasion, governmental requisition or priorities, acts of God, or other causes beyond Seller's reasonable control.
- B. In such event, the delivery date shall be extended for a period equal to the time lost by reason thereof, or Seller at its option may cancel the delivery and refund any amounts paid by Customer, as Customer's sole and exclusive remedy. Seller shall undertake to notify the Customer promptly of any significant delay and will specify the revised delivery date as soon as practical. **IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES ARISING OUT OF A DELAY IN, CANCELLATION OF, OR FAILURE TO DELIVER OR MANUFACTURE.**

C. If shipment is delayed or extended by Customer, Customer shall arrange for and notify Seller of the place or places to which Seller shall ship the Products covered by the order for warehousing or storage at Customer's expense and all risk of loss or damage to the Products or Services shall be borne by Customer. If Customer is unwilling or unable to promptly arrange for warehousing or storage facility, Seller may do so at Customer's expense. Customer hereby agrees to pay any and all storage charges so incurred and Seller's invoice, which it shall issue upon shipment of Products to the place of storage.

VIII. Cancellation

Cancellation or suspension of the order by Customer after acceptance by Seller may be made only on terms which will compensate Seller for loss due to the cancellation. Prior to shipment, Customer may cancel by giving written notice of cancellation to Seller. Customer may cancel after shipment only if Products are re-salable and Customer pays restocking, shipping and handling charges as reasonably determined by Seller.

IX. Equipment Design

Seller reserves the right to make changes and improvements in the design and specifications of its Products without notice or obligation to Customer.

X. Warranty and Disclaimers

A. Seller warrants capital equipment to be free from defects in material and workmanship under normal use and operation for a period of one year after date of shipment to Customer. Seller's sole warranty with respect to all other Products is that such products comply with Seller's specifications for a period of 90 days from the date of shipment, unless the Product is subject to an expiration date, in which case the expiration date shall apply. Seller's warranties do not apply to damage resulting from unauthorized installation, accident, casualty, alteration, misuse, or failure to follow Seller's written instructions. No other express warranty is made with respect to the Products. If any model or sample was shown to Customer, such model or sample was used merely to illustrate the general type and quality of the Products and not to represent that the Products would necessarily conform to the model or sample in all respects. **ENTIRE WARRANTY; SELLER MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND SELLER EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES ARE HEREBY EXPRESSLY EXCLUDED. SELLER SHALL HAVE NO OTHER LIABILITY, DIRECT OR INDIRECT, OF ANY KIND, INCLUDING LIABILITY FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES**

B. Customers sole and exclusive remedy for breach of the foregoing warranties shall be the repair or replacement and reinstallation of defective parts (with the exception of items normally considered to be expendable such as filters, fuses, gaskets, lamps, printer paper, printer ribbons, ink, lubricants, charts, etc.), or, at the Seller's option, to refund the purchase price; provided (1) the Product has not been altered or modified by other than Seller, (2) it has been properly stored, installed, maintained and operated within the limits specified by Seller, and (3) Customer promptly sends to Seller notice of defect and satisfactory proof thereof, including allowing Seller the opportunity to inspect the Products, and in the event of repair or replacement, returns the product to Seller, freight prepaid. Defective parts replaced by Seller shall become the property of the Seller. Repaired or replacement parts will be shipped to the Customer FOB point of shipment.

C. If the Product sold is not manufactured by Seller, Seller will extend to the Customer the same warranty protection Seller received from the original manufacturer.

D. Seller is not responsible for any warranty work, repairs, replacements, or other work, or charges relating thereto, that have not been authorized by Seller in writing.

E. **NEITHER SELLER NOR CUSTOMER SHALL BE LIABLE TO THE OTHER FOR SPECIAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES FOR LOSS OF USE ARISING DIRECTLY OR INDIRECTLY FROM ANY BREACH OF CONTRACT, MATERIAL OR OTHERWISE, OR FROM ANY TORTIOUS ACTS OR OMISSIONS OF THEIR RESPECTIVE EMPLOYEES OR AGENTS, AND IN NO EVENT SHALL THE LIABILITY OF SELLER EXCEED THE PRICE OF THE DEFECTIVE PRODUCT OR OF THE PRODUCT SUBJECT TO LATE DELIVERY.** If Seller, without separate compensation therefore, furnishes the Customer with advice or other assistance concerning any product supplied hereunder or any system or equipment in which any such product may be installed which is not required hereunder, the furnishing of such advice or assistance will not subject Seller to any liability whether in contract, tort (including negligence and strict liability) or otherwise.

F. Deferred Warranty Start Date (where applicable; sold separately). Where applicable and purchased separately, Seller agrees to delay the start date of the warranty for up to 12 months from the date of shipment, provided Seller confirms by inspection that as of the deferred start date, the Products meet STERIS's original factory specifications and do not materially differ from their factory-shipped condition. In addition, STERIS requires that STERIS equipment storage guidelines (listed on equipment drawings and shipping crates and available upon request from STERIS) be followed.

XI. Patents, Trademarks, Copyrights and Software

A. Seller warrants that Products it manufactures pursuant to its design shall be delivered free of any rightful claim for infringement of any United States patent, trademark or copyright.

B. If Seller is notified promptly in writing of any claim of infringement, Seller will defend or may settle at its expense any such claim; provided, however, that Customer must cooperate with Seller in the defense of any claim. Seller shall, at its expense and option, either procure for the Customer the right to continue using any infringing Products, or replace or modify them so they become non-infringing, or remove the Products and refund the purchase price (less reasonable depreciation for any period of use). The foregoing states the entire liability of Seller for any patent, trademark, copyright, or other intellectual property infringement by Products or any part thereof.

C. The preceding representations shall not apply to any Product or part specified by Customer or manufactured to Customer's design, or to the use of any Product furnished hereunder in conjunction with any other item in a combination not furnished by Seller as a part of this transaction. As to any such item, part, or use in such combination, Seller shall have no liability whatsoever for patent, trademark or copyright infringement and Customer will indemnify Seller and hold Seller harmless against any claims, liability, damages or expenses, including reasonable attorney fees, as a result of infringement claims arising there from.

XII. Disclosure of Information

Any information, suggestions, or ideas given by the Customer to Seller in connection with Seller's performance hereunder are not secret or submitted in confidence, except as may be otherwise provided in writing, signed by Seller.

XIII. Assignment

No right accruing to the Customer by virtue of the manufacturer/purchaser relationship between Seller and the Customer nor any duty of Seller resulting from that relationship shall be assignable without Seller's prior written consent.

XIV. Severability

Invalidity of any provision of Seller's Terms shall not affect the validity of any other provision hereof and any invalid provision shall be, to the extent possible, modified to accomplish the same objectives in a valid way without affecting the surviving provisions.

XV. Non-Waiver

No failure by Seller to exercise any right accruing to it by virtue of the manufacturer/purchaser relationship or under any contract of sales entered into with the Customer shall operate as a waiver thereof or preclude the exercise of any other right or privilege by Seller.

XVI. Notice

Any notice required or contemplated hereunder shall be in writing and shall be delivered personally or sent by telefax or by prepaid registered mail. Notice by telefax shall be deemed to have been received when transmitted and any notice sent by registered mail shall be deemed to have been received on the second day following the date mailed.

XVII. Entire Agreement and Amendments

There are no other Terms and Conditions applicable to the purchase and sales of Seller's Products of those contained in the Offer (including any specifications or other documents which Seller incorporated in reference in the Offer or invoice). Acceptance or acquiescence in a course of performance rendered in agreement shall not be relevant to determine the meaning of this agreement even though the accepting acquiescing party has knowledge of the nature of the performance and opportunity for objection. No modification, amendment, waiver or other change of any provision of Seller's Terms shall be binding on without Seller's written consent.

XVIII. Limitation of Actions

Any action for a breach of contract arising out of Seller's acceptance of Customer's order or arising out of Customer's acceptance of Product supplied must be commenced within one year after the cause of action has accrued.

XIX. Governing Law; Remedies

- A. The rights and obligations of the Customer and Seller, and the construction and effect of any contract formed between them shall be governed by the laws of the State of Ohio.
- B. If the Customer fails to fulfill their terms of payment of any invoice or if the financial or business condition or responsibility of the Customer shall become impaired or unsatisfactory to the Seller, Seller may, without liability to Customer or prejudice to any other legal or equitable remedy, suspend performance until past due payments are made and satisfactory assurance of payment is received.

XX. Operating Directions

- A. Customer shall comply with and require its agents and employees to comply with all directions, safety notices, warnings, and other instructions furnished by Seller, and shall use and require its agents and employees to use reasonable care in the use of the Products.
- B. SELLER SHALL HAVE NO OBLIGATION OR LIABILITY FOR ANY FAILURE OF CUSTOMER, CUSTOMER'S EMPLOYEES OR AGENTS OR ANY THIRD PARTY TO OBSERVE THE PROVISIONS OF THIS SECTION, OR FOR ANY INJURY OR DAMAGE CAUSED, IN WHOLE OR IN PART, BY CUSTOMER'S FAILURE TO COMPLY WITH APPLICABLE FEDERAL, STATE, OR LOCAL SAFETY REQUIREMENTS AND CUSTOMER SHALL INDEMNIFY AND

HOLD SELLER HARMLESS FOR ANY CLAIMS, LIABILITIES OR LOSSES ARISING OUT OF OR IN CONNECTION WITH ANY SUCH INJURY OR DAMAGE OR CLAIM THEREOF.

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INSTALLATION TERMS AND CONDITIONS (where installation is purchased from Seller)

General Definitions & Scope of Responsibilities

- The Seller's Terms attached hereto are hereby incorporated by reference herein.
- Seller will not be responsible for services other than Seller or Seller contracted sources, unless authorized in writing by Seller.
- All work will be performed during normal working hours: 8:00 AM to 5:00 PM, Monday through Friday. Holidays and other hours will require additional charges.
- Non-Union labor will be used.
- Seller will be responsible for clean-up of all packing materials, crates, crating and/or other debris of transporting/setting up the equipment, but containers/dumpsters must be provided by/at the owner's facility.
- Parts and labor required to repair damage caused by accident, abuse, natural disaster, fire or theft, misuse by operating equipment for functions/processes not originally designed or recommended, or alteration/ modification of the equipment or accessories after final assembly and test by Seller shall be provided by Customer and are not covered by Seller.

Environmental and Safety Issues

HAZARD COMMUNICATION - Customer agrees to provide Seller with information as to all hazards or hazardous materials which Seller's personnel may encounter when performing services for Customer and to familiarize Seller, its employees and contractors with Customer's Hazard Communication Program. If Customer's facility has an asbestos maintenance plan, the applicability of the plan to Seller's services must be specifically pointed out to Seller, and a copy of the plan must be provided to Seller prior to Seller's commencement of work. Customer shall ensure the safety of the work area and of Seller's employees and agrees to defend, indemnify and hold Seller, its employees and contractors, and their insurers (the "Indemnified Parties") harmless from any and all claims, demands, losses, liabilities, fines, penalties (including but not limited to OSHA penalties), costs (including but not limited to attorneys' fees) or other liability suffered or incurred by the Indemnified Parties as a result of Customer's failure to do so.

UNEXPECTED OR HAZARDOUS CONDITIONS - If unforeseen conditions are discovered (such as the discovery of hazardous substances or conditions) which may increase the time or expense of performance, Seller shall be entitled to additional compensation for the effects of such unexpected conditions. If Seller and Customer cannot agree on such additional compensation, Seller may stop work without liability and Customer shall pay Seller for any services already performed, at Seller's hourly rates. If Seller encounters materials which it believes may be hazardous, Seller may suspend its services until adequate testing and analysis have been conducted to confirm whether such materials are hazardous or not. In no event shall Seller or its contractors be responsible for the removal, abatement or disposal of any hazardous materials (including but not limited to asbestos, asbestos containing materials, hazardous waste, or infectious waste).

Customer Responsibilities-SITE PREPARATION:

- Remove all asbestos and/or other hazardous materials from equipment building and surrounding area, and safely dispose of same in accordance with local/state/federal codes, prior to installation and/or Equipment Removal.
- Obtain or incur expenses for obtaining any/all permits, approvals, licenses, certification, fees and source testing, local or otherwise, that may be required for installation or operation of the equipment being installed.
- Prepare site for equipment installation, to include walls, floors, drains, ceilings, building utility connections, including steam drip-legs and pressure regulators, special fiber panel and any/all required structural modification to the building, including superstructure above finished ceiling and/or wall back and floor reinforcement.
- Provide slab, wall, flooring, anchor location and/or under-structure suitable to accept seismic tie-down devices as specified in Seller equipment drawings/technical documentation.
- Install any/all building exhaust vents beyond manufacturer's vent termination point, as designated in Seller equipment drawings/technical documentation, and ensure total HVAC system is adequate to handle load(s) expected with new equipment.
- Assure that all door openings, hallways and areas en route from receiving area to installation

site will accept equipment without dismantling equipment or removing/modifying any door frames, ceilings, cabinets or other facility structures.
Provide all utilities (steam, water, compressed air, condensate return, waste-drain, electric, exhaust) according to local/state/federal codes and Seller equipment drawings/technical documentation.

Furnish and install all electrical disconnects and shutoff valves within easy reach for emergency or service shutdowns, as specified in Seller equipment drawings, and in accordance with local/state/federal codes.
Provide adequate lighting in recess room area.
Provide an adequate service area around equipment as specified in Seller equipment drawings and in accordance with local/state/federal codes, to ensure equipment placement/utility connections and locations are adequately spaced.

Customer Responsibilities-RECEIVING

- Provide for a loading dock with capacity for non-power tailgate delivery.
- If vertical transport is required due to limited access to higher or lower floors via stairways, elevator limitations, etc., customer will be responsible for any/all additional charges.
- Receive and inspect new equipment for shipping damage and store in weather-protected, secure area inside building designated for final installation, or arrange for transportation and off-site storage, scheduling re-delivery in time for final installation.
- Seller will require two (2) weeks notice prior to beginning actual installation work, with clear access to final equipment location(s) guaranteed.
- If old equipment is to become Seller's property, it will be held on-site at designated location for pickup by Seller-contracted transport within a reasonable time, or not to exceed five (5) working days.

Customer Responsibilities-UTILITIES

- STEAM:**
Pressure - dynamic pressure must meet specific specifications on Seller equipment drawings/technical documentation; must provide steam pressure regulators and shut-off valves where/when specified.
- Quality - provide steam traps, insulation and pipe routing necessary to supply 97% vapor-quality steam.

AIR:

- Pressure - dynamic pressure must meet specifications on Seller equipment drawings/technical documentation; air regulators must be provided where specified.
- Quality - provide filters/dryers necessary to supply air quality as specified on Seller equipment drawings/technical documentation.

WATER:

- Pressure - dynamic pressure must meet specification on Seller equipment drawings/technical documentation; water pressure regulators must be provided where specified.
- Flow Rates - piping must be properly sized to prevent water hammer; provide correctly sized pipes and water hammer arresters in order to support water flow rates and pressures as specified on Seller equipment drawings/technical documentation, and according to local/state/federal codes for back flow prevention.
- Quality - water provided may be treated as necessary, but must meet quality specifications on Seller equipment drawings/technical documentation.

EXHAUST - Provide air exhaust flow (SCFM) as specified on Seller equipment drawings/technical documentation.

WASTE - Provide adequate drain(s), sized to handle water/steam flow rates as specified on Seller equipment drawings/technical documentation, and traps, as required by local/state/federal codes.

ELECTRIC - Provide electrical supply as specified on Seller equipment drawings/technical documentation, with locking disconnect switches, as required by local/state/federal codes.

BD Biosciences
2350 Qume Drive
San Jose, CA 95131
tel: 877.232.8995
fax: 408.954.6306
www.bd.com

April 25, 2007



Helping all people
live healthy lives

Dr. Zafer Hatahet, Ph.D.
Associate Professor
Northwestern State University
Department of Biological Sciences
224B Bienvenu Hall
Natchitoches, LA 71497
Ph: 318/357-6514
Email: hatahetz@nsula.edu

Reference: Quotation #420022799

Dear Dr. Hatahet:

Thank you for the opportunity to discuss the **BD FACSCalibur™** system with you. I have enclosed the quotation for this system with the options you requested.

We at BD Biosciences feel that the **BD FACSCalibur™** system offers you performance far superior to any flow cytometer available. We also provide complete training, application support and reliable service to back up your system.

Thank you again for your interest in BD Biosciences. Once you have reviewed the quotation and if you have any further questions, please do not hesitate to contact me at the phone number listed below. If you would like to fax your order directly to BD Biosciences, please fax it to the Customer Service Department: 408/954-6306. The vendor name and address on your Purchase Order must be: BD Biosciences, 2350 Qume Drive, San Jose, CA 95131. The Tax Exemption Certificate, if applicable, must use the name, Becton, Dickinson & Co.

Sincerely yours,

Kirk Watkins
Senior Instrument Sales Specialist
Central Region
Office: 314/821-4878
BD Biosciences

lmb

FINANCIAL PROPOSAL

PREPARED FOR:

Dr. Zafer Hatahet, Ph.D.
Associate Professor
Northwestern State University
Department of Biological Sciences
224B Bienvenu Hall
Natchitoches, LA 71497

QUOTATION DATE:
QUOTATION EXPIRATION DATE:
REFERENCE QUOTATION NUMBER:

April 25, 2007
July 25, 2007
420022799



BD Biosciences
 2350 Qume Drive
 San Jose, CA 95131-1807
 USA
 Tel: 1-877-232-8995
 EIN: 22-076-0120

Quotation

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SOLD TO NO : 2000037435	SHIP TO NO : 2000145440	Quote: 420022799
SOLD TO ADDRESS	SHIP TO ADDRESS	Customer #: 2000037435
NORTHWESTERN STATE UNIV	NORTHWESTERN STATE UNIV	Valid From: 04/25/2007
ACCOUNTS PAYABLE DEPT	ATTN ZAFER HATAHET	Valid To: 07/25/2007
PO BOX 5253	BIENVENU HALL RM 224B	Payment Terms: Net 30 Days
NATCHITOCHES LA 71497	NATCHITOCHES LA 71497	Freight Terms: FOB Origin - FRT PPD and ADD
	Phone number: 318 357 6514	
	Contact: ZAFER HATAHET	

Item	Product Description	Product No.	Quantity	Unit List Price	Unit Net Price	Extended Net Price
10	FACSCALIBUR 3 COLOR SORT IVD	342974	1.00 EA	116,400.00	102,432.00	102,432.00
20	FACSCALIBUR G5/OS10.4 WORKSTATION BNDL	640283	1.00 EA	18,400.00	16,192.00	16,192.00
	Characteristics	Value				
	Software 1	SOFTWARE BUNDLE 1				
	Printer 1	RICOH AFICIO CL3500N BUNDLE				
	Monitor 1	19" MULTISYNC LCD1970NX				
	CPU	G5/OS10.4 ACQUISITION COMPUTER				
	ACCESSORIES	FACSTATION OS10.4 ACCESSORY BU				
	Consisting of :					
30	MULTISYNC LCD1970NX	343779	1.00 EA	0.00	0.00	0.00
40	BUNDLE RICOH AFICIO CL3500N	641097	1.00 EA	0.00	0.00	0.00
50	FACSTATION USERS GUIDE BUNDLE NUM1 OSX	335958	1.00 EA	0.00	0.00	0.00
60	G5/OS10.4 ACQUISITION COMPUTER ASSY	640281	1.00 EA	0.00	0.00	0.00



BD Biosciences
 2350 Qume Drive
 San Jose, CA 95131-1807
 USA
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Quotation

Page:
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SOLD TO NO : 2000037435	SHIP TO NO : 2000145440	Quote: 420022799
SOLD TO ADDRESS	SHIP TO ADDRESS	Customer #: 2000037435
NORTHWESTERN STATE UNIV	NORTHWESTERN STATE UNIV	Valid From: 04/25/2007
ACCOUNTS PAYABLE DEPT	ATTN ZAFER HATAHET	Valid To: 07/25/2007
PO BOX 5253	BIENVENU HALL RM 224B	Payment Terms: Net 30 Days
NATCHITOCHES LA 71497	NATCHITOCHES LA 71497	Freight Terms: FOB Origin - FRT PPD and ADD
	Phone number: 318 357 6514	
	Contact: ZAFER HATAHET	

Item	Product Description	Product No.	Quantity	Unit List Price	Unit Net Price	Extended Net Price
70	FACSTATION OS10.4 ACCESSORY BUNDLE	640282	1.00 EA	0.00	0.00	0.00
	Sub-Total:			134,800.00		118,624.00
	Discount(s):			16,176.00		
	Net Price Before Tax					118,624.00
	Sales Tax					0.00
	Total					118,624.00

TRAINING: Purchase price for each system includes two training provisions. Each training provision is valid for five days of operator training at a BD Biosciences Training Center and is NOT transferable to other courses or on-site training. Training must take place within one year from the date of installation. Lodging, including breakfast at the hotel, lunches at BD, and a group dinner, are provided by BD during the training. Cost of transportation is not included. To register for training, go to www.bdbiosciences.com/training/registration.

SHIPMENT: Unless otherwise noted. Within 90 days after receipt of purchase order. Accessories ordered, but not delivered with system will be invoiced separately.

WARRANTY: Twelve-month warranty will begin upon installation or thirty days after the date of shipment, whichever occurs first. This warranty runs only to the original purchaser of the option, accessory, software or upgrade and applies only to products purchased and installed in the United States by an authorized BD Biosciences (BD) service representative or another party approved by BD Biosciences. BD will install its instrument after shipment or reimburse the purchaser for actual costs incurred to have a third party install the instrument. The maximum reimbursement to purchaser for third party installation shall be \$1,000 for FACSCalibur instruments. The third party installer must be approved in writing by an authorized representative of BD prior to installation for warranty to become effective. BD Biosciences will no longer provide on-site or mail-in printer repair support.

If you would like to fax your order directly to BD Biosciences, please fax it to the Customer Service Department: 408/954-6306.

Terms & Conditions:

All transactions are governed by the terms and conditions outlined on the BD Biosciences website:
<http://www.bdbiosciences.com/terms/>

April 25, 2007
 Quotation #420022799
 Dr. Zafer Hatahet, Ph.D.
 Associate Professor

**BD FACSCalibur™ Flow Cytometer
 Maintenance Service Agreement Options**

5 Day Coverage (Monday through Friday)

This option covers the BD FACSCalibur™ with one BD FACStation™ (excluding printers) for labor, travel expenses and parts (excluding consumable items) for the following:

- Two (2) Preventive Maintenance Inspections to be performed during a twelve-month period.
- Two (2) PM Kits will be provided.
- Software Revisions that are released during the Agreement term.
- Unlimited service visits during the term of this Agreement, Monday through Friday, excluding BD Biosciences holidays.
- 24-hour guaranteed response to a request for emergency on-site service (Monday through Friday, excluding BD Biosciences holidays). If we fail to meet our commitment, a \$500.00 Response Time Credit will be issued (see back: Para.I.C.)
- Under this Option, CUSTOMER will be billed at the prevailing hourly rate for labor and travel for service provided on weekends and BD Biosciences holidays, minimum 4 hours labor and travel combined.
- Unlimited telephone support for instruments, reagents and applications will be provided at no additional charge.
- At the time of Service Agreement purchase, you can also purchase Training Voucher at a 15% discount, which are valid for any training courses conducted by the Customer Education Department of BD Biosciences for a period of 18 months from date of purchase.
- Workstation printers will no longer have on-site or mail-in repair service support.

Point of Sale Pricing

BD FACSCalibur™ Flow Cytometer w/Sorting Option

Plan	Purchased with Instrument	Comparison Based on Annual Purchases	Estimated Savings
1 Year Plan	\$12,388.80	\$13,920.00	\$ 1,531.20
2 Year Plan	\$24,220.80	\$28,536.00	\$ 4,315.20
3 Year Plan	\$35,496.00	\$43,882.80	\$ 8,386.80
4 Year Plan	\$46,214.40	\$59,996.94	\$13,782.54
5 Year Plan	\$56,376.00	\$76,916.79	\$20,540.79

Please Note: Prices quoted above are for the BD FACSCalibur™ system and do not include additional options/accessories. Also, BD does provide extended service programs that may be purchased following the one-year warranty. Full service program is available upon request.

April 25, 2007
 Quotation #420022799
 Dr. Zafer Hatahet, Ph.D.
 Associate Professor

Special Offer: Instrument Purchase Discounts

Now you can receive the following discounts on tuition if you pre-purchase additional training at the instrument sale. Training can be pre-purchased on the same or separate purchase order.

Course	# Days	List Price	20% Discount
BD FACSAria™ Operator	4.5	\$2,800.00	\$2,240.00
BD FACSAria™ Operator	2	\$1,100.00	\$ 880.00
BD FACSCalibur™ Operator	4.5	\$2,800.00	\$2,240.00
BD FACSCanto™ Operator	4.5	\$2,800.00	\$2,240.00
BD™ LSR II Operator	4.5	\$2,800.00	\$2,240.00
BD FACSVantage SE™ Operator	4.5	\$3,250.00	\$2,600.00
BD FACSVantage SE™ Digital Option Operator	4.5	\$3,250.00	\$2,600.00
Operator-Non Current Cytometer	4.5	\$3,250.00	\$2,600.00
BD CellQuest Pro™ Workshop	1	\$495.00	\$396.00
BD FACSDiva Software Workshop (Level 1 or 2)	1	\$495.00	\$396.00
Cell Proliferation & Apoptosis Workshop-BD FACSCalibur	2	\$990.00	\$792.00
Intracellular Cytokine Detection Workshop	1	\$495.00	\$396.00
Quantitation Tools for Flow Cytometry	1	\$495.00	\$396.00
On-site Training (per day)		\$1,600.00	\$1,280.00

*Tuition includes course materials and lunch only. Transportation, hotel and meals are not included.

** Receive an additional 5% discount for purchasing \$5000 dollars or more of tuition (total discount 25% off list)

Receive an additional 10% discount for purchasing \$10,000 or more of tuition (total discount 30% off list)

This tuition is transferable to any training conducted by the Customer Education Dept, BD Biosciences and will expire 18 months from date of purchase.

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associated pages

Mini-PROTEAN Tetra Electrophoresis System

Click for: | [Product Page](#) |

Related Information: | [Literature](#) |

See Also: | [Mini Trans-Blot Cell](#) | [Ready Gel Precast Gels](#) | [Accessories for the Mini-PROTEAN 3 Cell](#) |

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Catalog # Description

Mini-PROTEAN Tetra Cells

165-8000 **Mini-PROTEAN Tetra Cell**, 10-well, 0.75 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam

Your Price: \$724.00

165-8001 **Mini-PROTEAN Tetra Cell**, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam

Your Price: \$724.00

165-8002 **Mini-PROTEAN Tetra Cell**, 10-well, 0.75 mm thickness; 2-gel system includes 5 combs, 5 sets of glass plates, casting stand, 2 casting frames, sample loading guide, electrode assembly, tank, lid with power cables, mini cell buffer dam

Your Price: \$574.00

165-8003 **Mini-PROTEAN Tetra Cell**, 10-well, 1.0 mm thickness; 2-gel system includes 5 combs, 5 sets of glass plates, casting stand, 2 casting frames, sample loading guide, electrode assembly, tank, lid with power cables, mini cell buffer dam

Your Price: \$574.00

165-8004 **Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels**, 4-gel system includes electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam

Your Price: \$474.00

Catalog # Description

Mini-PROTEAN Tetra Systems

165-8025 **Mini-PROTEAN Tetra Cell and PowerPac Basic Power Supply**, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam

Your Price: \$999.00

165-8026 **Mini-PROTEAN Tetra Cell and PowerPac Universal Power Supply**, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam

Your Price: \$2,403.00

- | | | |
|----------|---|---|
| 165-8027 | <p>Mini-PROTEAN Tetra Cell and PowerPac HC Power Supply, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam</p> <p>Your Price: \$1,370.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8028 | <p>Mini-PROTEAN Tetra Cell and PowerPac HV Power Supply, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam</p> <p>Your Price: \$2,359.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8029 | <p>Mini-PROTEAN Tetra Cell and Mini Trans-Blot Module, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam, and Mini Trans-Blot module, which includes 2 gel holder cassettes, 4 fiber pads, modular electrode assembly, Bio-Ice cooling unit</p> <p>Your Price: \$991.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8030 | <p>Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels and Mini Trans-Blot Module, 4-gel system includes electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam, and Mini Trans-Blot module, which includes 2 gel holder cassettes, 4 fiber pads, modular electrode assembly, Bio-Ice cooling unit</p> <p>Your Price: \$762.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8033 | <p>Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module, and PowerPac Basic Power Supply, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam, and Mini Trans-Blot module, which includes 2 gel holder cassettes, 4 fiber pads, modular electrode assembly, Bio-Ice cooling unit</p> <p>Your Price: \$1,233.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8034 | <p>Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels, Mini Trans-Blot Module, and PowerPac Basic Power Supply, 4-gel system includes electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam, and Mini Trans-Blot module, which includes 2 gel holder cassettes, 4 fiber pads, modular electrode assembly, Bio-Ice cooling unit</p> <p>Your Price: \$1,120.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8035 | <p>Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module, and PowerPac HC Power Supply, 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam, and Mini Trans-Blot module, which includes 2 gel holder cassettes, 4 fiber pads, modular electrode assembly, Bio-Ice cooling unit</p> <p>Your Price: \$1,571.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8036 | <p>Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels, Mini Trans-Blot Module, and PowerPac HC Power Supply, 4-gel system includes electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam, and Mini Trans-Blot module, which includes 2 gel holder cassettes, 4 fiber pads, modular electrode assembly, Bio-Ice cooling unit</p> <p>Your Price: \$1,508.00</p> | <input type="checkbox"/> <input type="checkbox"/> |

Catalog # Description



Casting Modules

- | | | |
|----------|--|---|
| 165-8008 | <p>Mini-PROTEAN Tetra Cell Casting Module, 5-well, 0.75 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide</p> <p>Your Price: \$329.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8009 | <p>Mini-PROTEAN Tetra Cell Casting Module, 9-well, 0.75 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide</p> <p>Your Price: \$329.00</p> | <input type="checkbox"/> <input type="checkbox"/> |
| 165-8010 | <p>Mini-PROTEAN Tetra Cell Casting Module, 10-well, 0.75 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide</p> | <input type="checkbox"/> <input type="checkbox"/> |

Your Price: \$329.00

165-8011 **Mini-PROTEAN Tetra Cell Casting Module**, 15-well, 0.75 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8012 **Mini-PROTEAN Tetra Cell Casting Module**, prep/2-D well, 0.75 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8013 **Mini-PROTEAN Tetra Cell Casting Module**, 5-well, 1.0 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8014 **Mini-PROTEAN Tetra Cell Casting Module**, 9-well, 1.0 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8015 **Mini-PROTEAN Tetra Cell Casting Module**, 10-well, 1.0 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8016 **Mini-PROTEAN Tetra Cell Casting Module**, 15-well, 1.0 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8017 **Mini-PROTEAN Tetra Cell Casting Module**, prep/2-D well, 1.0 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8018 **Mini-PROTEAN Tetra Cell Casting Module**, IPG well, 1.0 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8019 **Mini-PROTEAN Tetra Cell Casting Module**, 5-well, 1.5 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8020 **Mini-PROTEAN Tetra Cell Casting Module**, 9-well, 1.5 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8021 **Mini-PROTEAN Tetra Cell Casting Module**, 10-well, 1.5 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

165-8022 **Mini-PROTEAN Tetra Cell Casting Module**, 15-well, 1.5 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00







165-8023 **Mini-PROTEAN Tetra Cell Casting Module**, prep/2-D well, 1.5 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide



Your Price: \$329.00

165-8024 **Mini-PROTEAN Tetra Cell Casting Module**, IPG well, 1.5 mm; includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, sample loading guide

Your Price: \$329.00

Catalog #	Description		
Handcast Gel Accessories and Replacement Parts			
165-3303	Mini-PROTEAN Casting Stand		
	Your Price: \$88.00		
165-3304	Mini-PROTEAN Casting Frame		
	Your Price: \$25.00		
165-3305	Mini-PROTEAN Casting Stand Gaskets , replacement, 2		
	Your Price: \$24.00		
165-3308	Short Plates , 5		
	Your Price: \$18.00		
165-3310	Spacer Plates With 0.75 mm Integrated Spacers , 5		
	Your Price: \$48.00		
165-3311	Spacer Plates With 1.0 mm Integrated Spacers , 5		
	Your Price: \$48.00		
165-3312	Spacer Plates With 1.5 mm Integrated Spacers , 5		
	Your Price: \$48.00		

Catalog #	Description		
Other Replacement Parts			
165-3130	Mini Cell Buffer Dams , 2		
	Your Price: \$12.00		
165-3132	Sample Loading Guide , 15-well (blue)		
	Your Price: \$12.00		
165-3146	Sample Loading Guide , 10-well (yellow)		
	Your Price: \$12.00		
165-3149	Replacement Gaskets , for electrophoresis assembly, green		
	Your Price: \$29.00		
165-3201	Sample Loading Guide , 9-well (red)		
	Your Price: \$12.00		
165-3203	Sample Loading Guide , 12-well (green)		
	Your Price: \$12.00		
165-8037	Mini-PROTEAN Tetra Electrode Assembly		
	Your Price: \$139.00		
165-8038	Mini-PROTEAN Tetra Companion Running Module		
	Your Price: \$129.00		
165-8039	Buffer Tank , replacement		
	Your Price: \$49.00		
165-8040	Buffer Tank and Lid , replacement		

	Your Price: \$139.00		
165-8041	Cell Lid With Power Cables	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$89.00		
Catalog #	Description		
Combs			
165-3352	Mini-PROTEAN Comb, 5-well, 0.75 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3353	Mini-PROTEAN Comb, 9-well, 0.75 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3354	Mini-PROTEAN Comb, 10-well, 0.75 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3355	Mini-PROTEAN Comb, 15-well, 0.75 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3356	Mini-PROTEAN Comb, prep/2-D well, 0.75 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3357	Mini-PROTEAN Comb, 5-well, 1.0 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3358	Mini-PROTEAN Comb, 9-well, 1.0 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3359	Mini-PROTEAN Comb, 10-well, 1.0 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3360	Mini-PROTEAN Comb, 15-well, 1.0 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3361	Mini-PROTEAN Comb, prep/2-D well, 1.0 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3362	Mini-PROTEAN Comb, IPG well, 1.0 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3363	Mini-PROTEAN Comb, 5-well, 1.5 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3364	Mini-PROTEAN Comb, 9-well, 1.5 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3365	Mini-PROTEAN Comb, 10-well, 1.5 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3366	Mini-PROTEAN Comb, 15-well, 1.5 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3367	Mini-PROTEAN Comb, prep/2-D well, 1.5 mm	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$23.00		
165-3368	Mini-PROTEAN Comb, IPG well, 1.5 mm	<input type="checkbox"/>	<input type="checkbox"/>

Your Price: \$23.00

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SALES QUOTATION

Northwestern State University
 Zack Hatahet (318-357-5344)
 Natchitoches LA 71497

Quote Number:	20011135
Quote Date:	Jul 24,2007
Quote Expires:	Sep 24,2007

Ship-to address
 Northwestern State University
 Zack Hatahet (318-357-5344)
 NATCHITOCHES LA 71497
 USA

Sales Representative info:
 Dennis Dahmer
 Scientific Consultants
 PO Box 82010
 BATON ROUGE LA 70809
 USA
 Phone no.: 225-292-4447

We deliver according to the following terms and conditions: Terms of payment: Net 30 days Terms of delivery: FOB Origin PPD & ADD	Currency USD
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Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
MDFU73VC	<u>25.7 cu.ft., VIP Insulated Ultralow Frzr</u> MDFU73VC -86C UPRIGHT ULTRALOW FREEZER	11,276.00	2,255.00-	9,021.00	1	EA	9,021.00
We are pleased to quote the following: * Total capacity 25.8 cu. ft. * Storage capacity: Maximum 2" boxes= 576 maximum/ 3" box capacity= 384 maximum * Sanyo Exclusive refrigeration and compressors with silencing technology * Cascade Cooling system with two (2) SANYO designed compressors. * Sanyo patented V.I.P TM Vacuum Insulation Panel technology for extra space saving capabilities * New Easy In/Easy out 'Eagle' inner door latches * New Easy In/Easy out single outer door latch with hasp for padlock * Built in voltage booster for low/interrupted voltage * 3 Adjustable shelves, 4 Compartments * Digital LED display with lockout * Two (2) gasket & polyurethane insulated inner doors * Heated Mullion "Hot line" strip to prevent frost build up around door frame * Audible/Visible Temperature and Power Failure Alarms with rechargeable NiCad battery back-up & alarm key * Washable/Reusable air filter with alarm * Dry remote alarm contacts							

Please make your purchase order to Sanyo Commercial Solution and reference this quote number.
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Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
	<ul style="list-style-type: none"> * 208-230V/60Hz/Single Phase/5.6A(running) Outer Dimension: W39.8" x D34.4" x H79.1" Inner Dimension: W34.3" x D23.6" x H55.1" Weight 750 lbs. <p>ENHANCED WARRANTY: TWO YEARS PARTS AND LABOR, FIVE YEARS ON THE COMPRESSOR PARTS. TEN YEARS (CABINET/V.I.P. INSULATION)</p> <p>Optional Accessories</p> <ul style="list-style-type: none"> * Sanyo Connect Extended Warranty * Sanyo Inventory racks and boxes * MTR-C954 Chart recorder * CVK-UB2(1) Liquid CO2 backup * CVK-UBN2 Liquid N2 backup * MDF-7DL 10-key security system * DT2-ST Hamster digital temperature recorder 						
MDFU53VC	<p><u>18.3 cu.ft. VIP Insulated Ultralow Frezr</u> MDFU53VC 86c ULTRALOW UPRIGHT FREEZER</p> <ul style="list-style-type: none"> * Total capacity: 18.3 cubic foot * Storage capacity: 2" box: 352. Maximum 3" box: 224 * Sanyo exclusive refrigeration and compressor w/silencing technology * Sanyo patented V.I.P (TM)(Vacuum Insulation panel) technology for extra space saving capabilities * CPU settable temperature from -50C to -86C * Built in voltage booster for low/interrupted voltage * New Easy In/Easy out 'Eagle' inner door latches * New Easy In/Easy out single outer door latch with hasp for padlock * Cascade cooling system with two (2) SANYO designed compressors * Two (2) gasket & polyurethane insulated inner doors * Audible/Visible Temperature and Power Failure Alarms with re-chargeable NiCad battery back-up & alarm key * Washable/Reusable air filter with alarm * 3 shelves, 4 compartments * Dry remote alarm contacts * Heated Mullion "Hot line" strip to prevent frost build up around door frame 	9,628.00	1,925.00-	7,703.00	1	EA	7,703.00

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Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
	* 208-230V/60Hz/Single Phase/5.4A(running) Outer Dimension: W30.3" x D34.4" x H78.3" Inner Dimension: W24.8" x D23.6" x H54.3" WEIGHT: 660 lbs ENHANCED WARRANTY: TWO YEARS PARTS AND LABOR AND A TOTAL OF FIVE YEARS COMPRESSOR PARTS. TEN YEARS (CABINET/, V.I.P. INSULATION) Optional Accessories * Sanyo Connect Extended Warranty * Sanyo Inventory racks and boxes * MTR-C954 Chart recorder * CVK-UB2(I) Liquid CO2 backup * CVK-UBN2 Liquid N2 backup * MDF-7DL 10-key security system * DT2-ST Hamster digital temperature recorder						
SDR624N	<u>2" HIGH SLIDING DRAWER RACKS WITHOUT BOX</u> Sliding Drawer Rack holds 24 boxes = 6 boxes high x 4 boxes deep. Boxes and dividers not included.	226.00	45.00-	181.00	1	EA	181.00
SUR624N	<u>UPRIGHT FREEZER STORAGE RACK</u> Standard Racks holds 24 boxes = 6 boxes high x 4 boxes deep. Boxes and dividers not included.	128.00	26.00-	102.00	1	EA	102.00
MCO34AC	<u>CO2 AIR JACKETED INCUBATOR (w/</u> MCO34AC CO2 AIR JACKETED INCUBATOR w/ Patented inCu saFe(tm) Copper Enriched Stainless Steel Interior - Double Chamber (2 x MCO-17AC) includes stacking kit - Total chamber capacity 11.6 cu. ft. (328 liters)	9,254.00	2,145.00-	7,109.00	1	EA	7,109.00

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Quote Number/Quote Date
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Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
	<ul style="list-style-type: none"> - Patented inCu saFe Copper Alloy stainless steel interior, plenum and shelves for preventative contamination control - Patented DHA Direct Heat air jacket system for uniform air temperatures throughout the chamber - Thermistor sensor/PID control +ACY- chamber direct sensing for precise temperature control - Temperature control range from ambient to 50C in precise 1/2 degree increments - Thermal conductivity CO2 sensor with precise CO2 control from 0-20 +ACU- - Door mounted digital LED display panel with touch pad controls for easy input - Self diagnostic functions with SANYO intelligent PID control for system trouble shooting - Alarm system-audible and visual alarm and can set precise conditions that track variances: <ul style="list-style-type: none"> - Temperature (1.0+ACU-) CO2, Door ajar, independent overheat protection circuit and sensor, Remote alarm contacts - Natural vaporization with stainless steel humidity pan per chamber (95+ACU- RH) - 115V/60Hz/Single Phase/2.6A (running) per unit Unit wt. +AD0- 402 lbs./ Shipping wt. +AD0- 454 lbs Outer Dimension: 24.4+ACI- w x 24.0+ACI- d x 70.8+ACI- h when stacked Inner Dimension: each single unit: 19.3+ACI- w x 19.9+ACI- d x 26.2 +ACI- h <p>ENHANCED WARRANTY COVERAGE: THREE YEARS PARTS AND LABOR.</p> <p>Available Options: MCO-18PS Stacking brackets MCO-18RB Mobility roller base MCO-46ST Extra inCu Safe copper-enriched stainless steel shelf kit Kit includes: MCO17AC CCO2 AIR JACKETED INCUBATOR(W</p>					2	
MCO18RB	<u>ROLLER BASE</u>	460.00	92.00-	368.00	1	EA	368.00

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Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
MCO100L	<u>CO2 REGULATOR</u>	368.00	73.00-	295.00	2	EA	590.00
MCO21GC	<u>GAS CHANGER KIT OPTION FOR MCO</u>	361.00	73.00-	288.00	2	EA	576.00
MCO36AICUV	<u>CO2 INCUBATOR WITH UV LIGHT</u> MCO36AICUV DIRECT HEAT AND AIR JACKETED CO2 INCUBATOR WITH INCU SAFE UV DECONTAMINATOR	13,774.00	3,096.00-	10,678.00	1	EA	10,678.00
<p>* Double Stacked Kit includes 2 x MCO-18AIC (UV) with stacking kit. Total chamber capacity of 12.0 cu. ft. * Exclusive inCu saFe (tm) copper-enriched stainless steel interior, plenum and shelves for preventative germicidal contamination control * SafeCell UV Ultraviolet light for background preventative contamination control * IR (infrared) CO2 sensor with P.I.D./R control algorithm for precise CO2 control from 0-20 degrees and quick CO2 level recovery on door openings * Patented D.H.A. Direct Heat and Air jacket system for uniform air temperatures throughout the chamber * Chamber direct temperature sensing with P.I.D. control algorithm for precise temperature control and quick temperature recovery * Temperature control range from (ambient +5 degrees C) to 50 degrees C in precise 0.1 degree increments * Unique ErgoStack (tm) low profile, slim-line design for easy access and user input to the top unit in a dual unit stacked configuration * Large digital L.E.D. display panel with touch pad controls * System alarms include audible and visual alarms for temperature, CO2, door ajar, independent overheat protection circuit * Power requirements of 115V/60Hz/ single phase/NEMA 5-15 plug, running amps approx. 3.7A Unit Wt. = 410 lbs./ Shipping wt. = 460 lbs. Outer Dimension: W24.4" x D28.0" x H70.8" Inner Dimension: W19.3" x D20.6" x H26.2" per chamber</p> <p>ENHANCED WARRANTY COVERAGE: Three (3) Years Parts and labor including I.R. Sensor</p>							

Please make your purchase order to Sanyo Commercial Solution and reference this quote number.

Taxes extra where applicable.

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 Zack Hatahet (318-357-5344)
 Natchitoches LA 71497

Quote Number/Quote Date
 20011135 / Jul 24,2007

Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
	AVAILABLE OPTIONS: MCO-46ST, extra inCu saFe copper-enriched stainless steel shelf kit MCO-21GC, internally mounted CO2 supply tank switching system MCO-18RB, mobility roller base MCO-100L, CO2 gas supply tank pressure regulator Kit includes: MCO18AICUV CO2 INCUBATOR WITH UV LIGHT KI				2		
MCO18RB	<u>ROLLER BASE</u>	460.00	92.00-	368.00	1	EA	368.00
MCO100L	<u>CO2 REGULATOR</u>	368.00	73.00-	295.00	2	EA	590.00
MCO21GC	<u>GAS CHANGER KIT OPTION FOR MCO</u>	361.00	73.00-	288.00	2	EA	576.00

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Northwestern State University
Zack Hatahet (318-357-5344)
Natchitoches LA 71497

Quote Number/Quote Date
20011135 / Jul 24,2007

Page 7 of 8

Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
<p>Zack Hatahet (318-357-5344) Email: hatahetz@nsula.edu</p> <hr/> <p>MDFU73VC and MDFU53VC qualify for our promotional offer which includes the choice of one of the following items:</p> <ol style="list-style-type: none">1) Free Dock to Dock Freight2) Choice of one under-counter item:<ul style="list-style-type: none">- HF-5015W (Freezer)- SR-L4110W (Refrigerator)3) 1/4 Freezer rack storage system w/out boxes:<ul style="list-style-type: none">- For MDF-U73VC: 6X SDR-624N or 6 X SUR-624N- For MDF-U53VC: 4 X SDR-624N or 4 X SUR-624N <p>** In order to qualify, all orders must be booked, shipped, and invoiced by September 30, 2007 **</p> <hr/> <p>MCO34AC and MCO36AICUV qualify for our promotional offer which includes the choice of one of the following items:</p> <ol style="list-style-type: none">1) Free Dock to Dock Freight2) Choice of one under-counter item:<ul style="list-style-type: none">- HF-5015W (Freezer)- SR-L4110W (Refrigerator)3) Choice of incubator accessory:<ul style="list-style-type: none">- Roller Base- Gas Tank Regulator- CO2 Tank Switcher <p>** In order to qualify, all orders must be booked, shipped, and invoiced by September 30, 2007 **</p>							

Please make your purchase order to Sanyo Commercial Solution and reference this quote number.

Taxes extra where applicable.

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Northwestern State University
Zack Hatahet (318-357-5344)
Natchitoches LA 71497

Quote Number/Quote Date
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Page 8 of 8

Material	Description	List Price	Discount	Your Price	Qty	Unit	Total
Items Total							37,862.00
Grand Total							37,862.00

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Catalog # Description

Model 680 Microplate Reader

168-1000 **Model 680 Microplate Reader**, 100/240 V, 50/60 Hz, includes 415, 450, 490, and 655 nm filters (installed), power cord, spare fuse, dust cover, instructions

Your Price: \$4,825.00

168-1001 **Model 680 Microplate Reader With Temperature Control**, 100/240 V, 50/60 Hz, includes 415, 450, 490, and 655 nm filters (installed), power cord, spare fuse, dust cover, instructions

Your Price: \$5,145.00

168-1002 **Model 680 Microplate Reader With Internal Thermal Printer**, 100/240 V, 50/60 Hz, includes 415, 450, 490, and 655 nm filters (installed), 1 roll of printer paper, power cord, spare fuse, dust cover, instructions

Your Price: \$4,985.00

168-1003 **Model 680 Microplate Reader With Temperature Control and Internal Thermal Printer**, 100/240 V, 50/60 Hz, includes 415, 450, 490, and 655 nm filters (installed), 1 roll of printer paper, power cord, spare fuse, dust cover, instructions

Your Price: \$5,895.00

Catalog # Description

Model 680 XR Microplate Reader

168-1100 **Model 680 XR Microplate Reader**, 100/240 V, 50/60 Hz, includes 340, 405, 415, and 655 nm filters (installed), power cord, spare fuse, dust cover, instructions

Your Price: \$7,235.00

168-1101 **Model 680 XR Microplate Reader With Temperature Control and Internal Thermal Printer**, 100/240 V, 50/60 Hz, includes 340, 405, 415, and 655 nm filters (installed), 1 roll of printer paper, power cord, spare fuse, dust cover, instructions

Your Price: \$7,769.00

Catalog # Description

Microplate Manager Software

170-6800 **Microplate Manager III Macintosh Data Analysis and Kinetics Software**

Your Price: \$2,349.00

170-9520 **Microplate Manager Version 5 PC Data Analysis and Kinetics Software**

Your Price: \$2,010.00

Catalog # Description



Accessories

168-1005 **PC Serial Cable for Model 680 Series Readers**



Your Price: \$108.00

168-1006 **Replacement Lamp for Model 680 Reader**



Your Price: \$108.00

168-1007 **Printer Paper for Model 680 Series Readers, 2 rolls**



Your Price: \$47.00

170-6940 **Checkmark Reader Performance Check Plate**



Your Price: \$2,158.00

Catalog # Description



Filters

168-1010 **400 nm Filter**, for Model 680 series microplate readers



Your Price: \$285.00

168-1011 **405 nm Filter**, for Model 680 series microplate readers



Your Price: \$285.00

168-1012 **410 nm Filter**, for Model 680 series microplate readers



Your Price: \$285.00

168-1013 **415 nm Filter**, for Model 680 series microplate readers



Your Price: \$285.00

168-1014 **420 nm Filter**, for Model 680 series microplate readers



Your Price: \$286.00

168-1015 **425 nm Filter**, for Model 680 series microplate readers



Your Price: \$286.00

168-1016 **430 nm Filter**, for Model 680 series microplate readers



Your Price: \$286.00

168-1017 **435 nm Filter**, for Model 680 series microplate readers



Your Price: \$285.00

168-1018 **440 nm Filter**, for Model 680 series microplate readers



Your Price: \$286.00

168-1019 **445 nm Filter**, for Model 680 series microplate readers



Your Price: \$286.00

168-1020 **450 nm Filter**, for Model 680 series microplate readers



Your Price: \$285.00

168-1021 **455 nm Filter**, for Model 680 series microplate readers



Your Price: \$286.00

168-1022 **460 nm Filter**, for Model 680 series microplate readers



	Your Price: \$286.00		
168-1023	465 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1024	470 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1025	475 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1026	480 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1027	485 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1028	490 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1029	495 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1030	500 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1031	505 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1032	510 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1033	515 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1034	520 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1035	525 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1036	530 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1037	535 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1038	540 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1039	545 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1040	550 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		

168-1041	555 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1042	560 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1043	565 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1044	570 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1045	575 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1046	580 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1047	585 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1048	590 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1049	595 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1050	600 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1051	605 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1052	610 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1053	615 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1054	620 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$285.00		
168-1055	625 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1056	630 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1057	635 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$286.00		
168-1058	640 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1059	645 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>

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168-1060	650 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1061	655 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1062	660 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1063	665 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1064	670 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1065	675 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1066	680 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1067	685 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1068	690 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1069	695 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1070	700 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1071	705 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1072	710 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1073	715 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1074	720 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
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168-1075	725 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$313.00		
168-1076	730 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$313.00		
168-1077	735 nm Filter , for Model 680 series microplate readers	<input type="checkbox"/>	<input type="checkbox"/>
	Your Price: \$310.00		

168-1078 **740 nm Filter**, for Model 680 series microplate readers



Your Price: \$313.00

168-1079 **745 nm Filter**, for Model 680 series microplate readers



Your Price: \$310.00

168-1080 **750 nm Filter**, for Model 680 series microplate readers



Your Price: \$310.00

168-1105 **340 nm Filter**, for Model 680 XR microplate reader



Your Price: \$310.00

168-1126 **800 nm Filter**, for Model 680 XR microplate reader



Your Price: \$310.00

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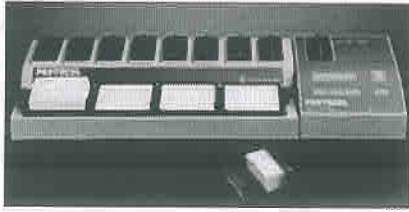
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Fisher PROTOCOL* MicroProbe* Staining System



Allows for multi-step staining procedures on up to 20 slides simultaneously Probe-On Plus* slides fit securely into the patented slide holder, creating the precise gap required for capillary action. The technology ensures complete and consistent staining by exposing all tissue samples to the same volume of fresh reagents and identical incubation conditions. [...more](#)

Includes: Eight reagent buckets and lids, a locator tray for the Isolon holders, four Isolon holders, five 30-well and five 3-well Isolon plates, six blotting pads, one slide holder, 72 Probe-On Plus microscope slides, an incubator with lid, calibration block, a power cord, a user's manual, and an application guide

FD-188-10A

Product Listing	Details & Specs.	Images
Characteristics	Cat. No.	Qty. Price
Microprobe Stain System Usa	FD-188-10A	Each for \$2,735.29
View Accessories	Add To Hotlist Add to Cart	
Microprobe Stain Station Compl	FD-188-20	Each for \$986.70
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Mprobe Stain Station W/o Acces	FD-188-40	Each for \$429.79
View Accessories	Add To Hotlist Add to Cart	
Incubator Drip Tray	15-188-34	N/A N/A
	Discontinued Catalog Number. Please call Customer Service. 1-800-766-7000.	
Calibration Block	15-188-35	Each for \$34.74
	Add To Hotlist Add to Cart	
Incubator Lid	15-188-36	N/A N/A
	Discontinued Catalog Number. Please call Customer Service. 1-800-766-7000.	
Mprobe Incubator Usa 120v 60hz	FD-188-30A	Each for \$1,743.94

[Microprobe Slide Holder](#)

FD-188-50 Each for \$306.26

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FD-188-44 Pack of 4 for \$124.86

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FD-188-42 Each for \$132.20

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† Includes rack w/ eight reagent buckets and lids, locator tray for the Isolon plates, four Isolon holders, five 30-well and five 3-well Isolon plates, six blotting pads, one slide holder, 72 Probe-On Plus microscope slides, Incubator Module, Calibration Block, Power Cord and an Applications Guide.

‡ Includes rack w/ eight reagent buckets and lids, locator tray for the Isolon plates, four Isolon holders, five 30-well and five 3-well Isolon plates, six blotting pads, one slides hoder, 72 Probe-On Plus microscope slides and a Staining Station Guide.

† † Includes dip tray, lid, calibration block and user's manual.

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TV, movies, video games, cell phones – today's students are surrounded by technology. To get them in their seats and learning, your teaching methods must keep pace with their tech-savvy demands. The Gateway E-155C Thin and Light Convertible Notebook combines the power of energy-efficient, dual core processing with the pen-and-paper-ease of a Tablet PC. Add to your solution the convenience of one of three wireless projectors and exceed your student achievement goals with media-rich course solutions.



Hitachi CP-X268-LCD PROJECTOR

The Hitachi CP-X268 is a 2500 ANSI Lumen desktop video and data projector, perfect for high end business or education use. The CP-X268 comes with advanced features including wireless and wired LAN capabilities. Accompanied by a host of video enhancement and security features.

Specifications

Audio Output Speaker(s) - integrated
Dimensions (WxDxH) 12 in x 9.8 in x 4.2 in
Image Brightness 2500 ANSI lumens
Image Contrast Ratio 500:1
Input Device Remote control
Lamp Life Cycle 2000 hour(s) / 3000 hour(s) (economic mode)
Networking Ethernet, IEEE 802.11b, IEEE 802.11g
Resolution 1024 x 768
Video Input RGB, S-Video, composite video, component video (NTSC, SECAM, PAL, PAL-N, PAL-M, NTSC 4.43, PAL 60) - DTV
Video Output RGB
Weight 7.3 lbs¹

Bundle with E-155C Price after
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Epson POWERLITE 1705C-LCD PROJECTOR

Whatever the situation, the Epson PowerLite 1705c is always ready to perform. With USB connectivity, it has multiple computer inputs and offers the flexibility you need in the classroom or the boardroom. And, with built-in networking capabilities, it facilitates easy monitoring and control. This versatile projector even enables users to send movie files wirelessly and enjoy full-frame videos, as well as the corresponding audio from a PC.

Specifications

Audio Output Speaker(s) - integrated
Color Support 24-bit (16.7 million colors)
Dimensions (WxDxH) 10.7 in x 7.6 in x 3.1 in
Image Brightness 2200 ANSI lumens
Image Contrast Ratio 400:1
Input Device Remote control
Lamp Life Cycle 2000 hour(s) / 3000 hour(s) (economic mode)
Resolution 1024 x 768
Video Input RGB, S-Video, composite video, component video (NTSC, SECAM, PAL, PAL-N, PAL-M, NTSC 4.43, PAL 60), IEEE 802.11a/g wireless
Weight 3.7 lbs¹

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NEC LT280-LCD PROJECTOR

With blazingly fast networking and a multitude of data-sharing options, the LT280 keeps you connected in all the right ways. And industry-leading technologies with enhanced video processing enable you to quickly engage with your audience. Wireless functionality available with optional wireless card.

Specifications

Audio Output Speaker(s) Integrated
Built-in Devices Speaker
Device Type LCD projector
Dimensions (WxDxH) 11.6 in x 4.7 in x 11.3 in
Image Brightness 2500 ANSI lumens
Image Contrast Ratio 600:1
Input Device Remote control
Lamp Life Cycle 2000 hour(s) / 3000 hour(s) (economic mode)
Lamp Type 200 Watt
Native Aspect Ratio 4:3
Networking Ethernet
Power AC 120/230 V (50/60 Hz)
Product Description NEC LT280 - LCD projector
Resolution 1024 x 768
Video Output RGB, S-Video, composite video, component video (NTSC, SECAM, PAL, PAL-N, PAL-M, NTSC 4.43, PAL 60)
Weight 7.7 lbs¹

Bundle with E-155C Price after
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