

INSTRUCTIONAL EQUIPMENT REQUEST

Due in Dean/Unit Head's Office on September 19, 2011 (FALL) and March 1, 2011 (SPRING)

The Definition of Instructional Equipment can be found in the California Community College's Budget and Accounting Manual. A copy of these definitions is on the PBC webpage:
<http://grapevine/pbc/InstructionalEquipment.php>

Name of Requestor: Gerry Gire, Michael Ansell, Adeliza Flores, Richard Grow

Division/Unit MSEPS

Brief title of request (equipment or materials being requested must be similar, related or part of a system.) Chemistry Safety Hoods

Request amount (unit cost and total cost including tax and shipping. Please include all costs including installation, modification to existing facilities to accommodate new equipment, etc.): This should come from the vendor quote.

Item(s) Cost	\$ 46,962.20
Tax (0.0875)	\$ 4,109.19
Shipping	\$ 2,500.00
Installation	\$ 10,571.43
Facilities Modification	\$
Other	\$
	\$
Total Cost	\$ 64,142.82

Attach copy of quote(s), estimate(s) and requisition(s):
(Must attach quote & requisition; absence of either will delay processing)

Brief description of specific equipment or materials requested and what they will be used for: (include the # pieces being requested; i.e.: 10 crayola crayons, sky blue, etc. in 250 words or less)

One 2-foot stand-alone chemical safety hood with work surface, including Y brackets/ductwork/dampers to mount to existing duct-work.

Fifty snorkel- type chemical safety hoods, arms, reducer kits, and wall mount/brackets.

Is this in your Program Review? Yes No

The Program's mission is to serve transfer students majoring in the general sciences, engineering, allied health, or preparing for careers in medicine, pharmacy, or dentistry. In our 2010 Program Review, we emphasize an even stronger need for securing, maintaining, and replacing standard lab equipment as we face the challenge of increasing enrollments in multiple lab sections that have accelerated wear-and-tear on lab equipment. Our Program relies heavily on safety equipment in order to provide both a safe, yet rigorous lab curriculum including standard laboratory techniques to carry out experimental procedures requiring heating or mixing of chemicals to produce fume-generating reactions or working with toxic chemicals. We identified as a specific challenge increased use of lab equipment (Page 12). On Page 13, we noted that "To address these challenges, we plan to request an increase in...b) funding to replace safety equipment... The equipment being requested above are standard laboratory safety equipment listed under the inventory of needs for this maintenance form.

Is it a replacement? Yes

Upgrade? Yes

New technology? Yes

Please explain?

The current snorkel hoods were purchased when building 1800 opened nearly 15 years ago and are used by over 350 students each year in rooms 1802 & 1805. They have served beyond their expected life span. Many of the joints do not seal well and no longer allow an airtight fit for extracting fumes away from the student's face and up to the exhaust fan on the roof. Additionally, the clear dome hood shields at the base of the extractor arms are failing at the polypropylene joints at an increasing rate as the plastic has aged and deteriorated in the presence of the chemical solvents and fumes. We are spending nearly \$1,000 per year replacing the dome hoods and plastic joints. The replacement arms and hoods will fit into the existing arm ceiling bases which directs the fumes up to the remote blower exhaust such that we will be able to reuse part of the existing system.

The new 2-foot safety hood will be placed in 1803 near the powder safety hood, sharing the duct-work up to the ceiling using a Y-bracket. In June an industrial hygiene inspection recommended that the powder hood no longer be used for liquid solvents and carcinogens as its design and flow rate were not acceptable for the demanding and hazard specific OSHA safety standards. This new unit is designed to handle these special chemicals.

Following is the evaluation criteria; please see corresponding Instructional Equipment Rubric.

Instructional and Service Impact

How will this item have a positive impact on instruction and/or teaching and learning in the classroom? Is this for use by the Instructor or students, or both?

To learn chemistry is to do chemistry. To teach chemistry is to show how chemistry is done. The laboratory work is a critical component of teaching and learning chemistry. This is where students:

- 1) learn general experimental methods and techniques,
- 2) hone their analytical skills,
- 3) are able to relate actual observations and experimental conclusions through the various wet chemistry activities that reinforce and enhance the learning of conceptual material.

IMPACT ON TEACHING

The Chemistry program is able to offer a rigorous lab curriculum that involves exciting and relevant experiments because we strive to maintain the standard laboratory and safety equipment found in most college-level chemistry laboratory. Acquiring these replacements impacts teaching because:

- 1) they allow instructors to devote more of their attention to guide students in correctly carrying out the procedure and analyzing their results without wasting time trying to replace or compensate for failed safety hoods.
- 2) without standard laboratory safety equipment, the teaching and presentation of important chemical principles would be limited to paper-type exercises and computer simulations which are not how a majority of academic and industry lab work is done.
- 3) they allow teaching on an individual basis because students don't have to share equipment.

IMPACT ON LEARNING

Providing safe, easy-to-use instrumentation enhances students' learning in the laboratory because students can focus on improving their chemistry skills and understanding the concepts being applied.

Safety hoods: Most chemical and physical processes require mixing chemicals which may generate fumes, some of which may be toxic or noxious. Learning is enhanced when students can feel safe and confident observing these reactions up close with the safety hood protecting them from the fumes.

Impact on Enrollment

Will the equipment impact enrollment, attract or increase the number of students participating in a course or program?

In the last 5 years, our enrollments have gone up by 40% with the addition of new sections and increased fill rates. The Chemistry faculty and staff believe that the strength and safety of our lab curriculum are a major attractions for many of the students who choose to take classes here at LPC. The chemical safety hoods are required replacements to sustain the needs of our current number of students. Without a full class set of 25 functioning hoods, students will not enjoy the individual "hands on" learning that we expect with our curriculum.

Access

How does this item promote the principles of universal design, by providing opportunities for under-represented populations & accommodate students with diverse learning styles?

Laboratory experiments serve students who learn best in a hands-on setting where they can directly observe chemical phenomena. These safety hoods are designed for college-level use. They are easy-to-use, modern, and safe which enable access above and beyond standard capability. They are easy to set-up and don't require physical exertion.

The snorkel hood is mounted to an arm which can be adjusted to any comfortable height range, including wheel-chair bound students.

The new two foot chemical hood work surface is lower than the ADA maximum of 34" with sufficient room under the counter for wheelchair access.

Outcomes

How will this equipment enable or enhance SLOs? What are the consequences related to learning outcomes if request is not funded?

In our Program Maintenance Form for Lab Curriculum Implementation, we stated the following benefits to student learning outcomes:

To learn chemistry is to do chemistry. To teach chemistry is to show how chemistry is done. The laboratory work is a critical component of teaching and learning chemistry. This is where students:

- 1) learn general experimental methods and techniques,
- 2) improve their analytical skills,
- 3) are able to relate actual observations and experimental conclusions through the various activities that reinforce and enhance the learning of conceptual material.

Without the ability to run safe laboratories, activities that promote student learning would be limited to paper exercises and computer simulations, which do not support the hands-on nature of learning chemistry.

This last statement summarizes the consequence related to learning outcomes in the laboratory if our request is not funded.

In addition, in the same form, we also addressed how laboratory activities support SLO's:

Our Chemistry SLO's are directly related to what students do in the lab. Students will assess higher in these SLO's if the knowledge and skills they need to demonstrate proficiency is reinforced in a more meaningful way through hands-on applications. The SLO's for 30A, 31, and 1A students all require that students be able to represent a chemical reaction in the form of a balanced equation. These students perform many of these reactions in the lab where they are able to observe them first-hand to be able to write chemical reactions meaningfully and predict products for similar reactions. The SLO for Chemistry 30B students require them to be able to distinguish the functions of biological molecules such as carbohydrates, lipids, and proteins, concepts that are made real when students carry out enzyme-catalyzed reactions such as the breakdown of complex sugars to simple sugars and the breakdown of triglycerides to form emulsifying agents. Chem 1B students are expected to be able to demonstrate knowledge and application of principles of kinetics assessed through the American Chemical Society examination. The learning of these principles is reinforced if students actually measure the effects of temperature, concentration, and the presence of a catalyst by performing qualitative and quantitative kinetics experiments. Chem 12A/12B students are expected to demonstrate knowledge of typical organic synthesis techniques and methods many of which (distillation, reflux, solvent extraction) are learned while performing reactions that involve volatile and flammable chemicals.

Total Cost of Ownership (This is an attempt to identify what the ongoing costs of purchasing this equipment will be to the institution)

- a) What is the lifespan of the equipment? 5 years? 10 years? 20 years?
- b) Is there sufficient current/planned space available for the storage and use of this equipment? If so, where will it be housed? If not, is there a proposed location and are there any costs associated with installation or modifications to the space?
- c) Are there operating costs and how will they be covered by the department?
- d) What will be required to maintain the equipment, such as regular servicing or upkeep? Who will perform maintenance, and what will the estimated costs be?

a) The snorkel safety hoods are expected to last 15 years. The standalone 2 foot safety hood has a life expectancy in excess of 20 years.

b) Yes. The snorkel hoods will replace existing units. The standalone safety hood has designated space in 1803.

c) There are no regular operating costs. Hood replacements may be needed from time to time due to heat damage from the bunsen burners. We currently are expensing that through IER requests. We should be able to reduce future requests to only burner damaged replacements and not plastic failures which is the most common reason for replacement currently.

d) The hoods do not require extensive maintenance, but receive a yearly cleaning now through the custodial or lab tech staff. Estimated labor is about 5 minutes per hood each year.

Visibility/Profile within Community

Is this a "flagship" item that will bring recognition/notoriety to the College or raise the stature of the program? Will it attract students and/or enhance the image of the College in the community because of its rare, one-of-a-kind status?

Safety hoods are required in all chemistry labs. These individual snorkel hoods are part of the original building design and serve a special purpose of allowing all reactions to occur in front of the individual student rather than moving to a dedicated safety hood. They are prominently seen and serve to notify students and visitors that safety is a major part of our chemistry culture. They are unusual in design for most college chemistry labs, but were incorporated into the original building design.

We have had many LPC alumni return and comment on how strong safety is in our labs relative to their upper division experiences. These hoods serve as the foundation to that safe experience. It is special recognition for Las Positas to have students leave us and go to work at Sandia or LLNL and find the level of safety awareness to be similar to ours.

Regulatory Compliance: As safety regulations at the federal, state, and local level have become more and more strict, many colleges have been fined tens of thousands of dollars for safety violations. This not only has a significant financial impact, but it results in significant negative publicity throughout the community. Las Positas College strives to not only maintain regulatory compliance, but to continue to set the standard for the safety of our students, staff and faculty.

Commitment to Sustainability

How does this equipment exceed basic sustainability goals and encourage renewable resources at the College? Is the design/operation of this item in keeping with the College's commitment to sustainable practices?

Designed for multiple daily student use, the sturdy construction of these hoods contributes to relatively long functional lifespans (15 and greater than 20 years) which contribute to material use efficiency. In particular, the steel used in the frame of the 2-foot hood is made from 70% post consumer recycled steel.

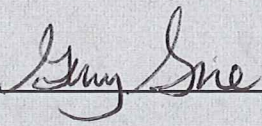
Health, Safety & Security

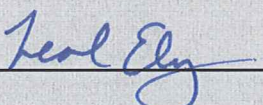
Does this equipment address any health, safety & security concerns? If so, please explain below.

These chemical safety hoods are all about health and safety for the students and instructors. They serve to direct toxic and noxious fumes away from the face of the instructor/student. In particular, the separate 2 foot hood will allow the chemist to use carcinogen and halogen solvents in a hood that meets or exceeds the Cal-OSHA requirements for face velocity of at least 125 linear feet per minute. Additionally, the student user can be seated at the front of the hood and work more safely than leaning over from a standing position while balancing their test tubes. We currently do not have the capacity in the existing hood for safe dispensing of carcinogens and solvents.

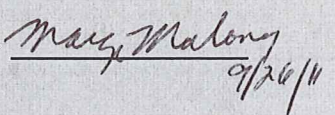
Signatures (required)

(If requesting computer-related equipment/software, LPC IT Department Review is **required**.)

Requested by 

Dean/
Unit Head 

IT Department Signature _____

Vice President: 
09/26/10

LPC VP Business/President _____ LPC Business Office Use (Account Number) _____

LAS POSITAS COLLEGE Equipment, Apparatus and Service Requisition

#R

#P

Track #

FOR OFFICE USE ONLY

TAX ID#

SUGGESTED VENDOR: **VWR (925) 673-0473 - DO NOT SUBSTITUTE VENDOR**

NAME OF STAFF MEMBER: **G. Gire** DATE WRITTEN: **19-Sep-11** DATE REQUIRED: _____ DIVISION/ DEPARTMENT: **MSEPS - Science** For inventory purposes include Room # _____ where equipment will reside: _____

RETURN COPY OF REQUISITION TO:
L. Camino G. Gire

DESCRIPTION	PRODUCT, TYPE, SIZE, COLOR, STOCK NUMBER	UNIT	QTY	UNIT PRICE	Air
2-FT Hood				\$ -	-
System includes Bal 2' 115V with monitor/alarm	82010-644		1	\$ 2,344.00	2,344.00
Work surface 2' wide black	82010-690		1	\$ 300.20	300.20
Snorkels				\$ -	-
Hood Chemical multipurpose BT2	70500344		50	\$ 121.59	6,079.50
BT2 4" reducer kit, allows for swivel	70500844		50	\$ 35.23	1,761.50
BT2 Wall mount/bracket complete	70501144		50	\$ 86.36	4,318.00
BT2 Arm 4inx6ft chemical	70580344		50	\$ 643.18	32,159.00
INSTRUCTIONAL EQUIPMENT - FALL 2011					
Comments:					
Attached - Vendor's Quote # K2-091411-LAS POSITAS-REV2					
BT#					
Subtotal				\$	46,962.20
Tax				\$	0.0875
Shipping (if available):				\$	2,500.00
Installation Cost:				\$	10,571.43
TOTAL COST				\$	64,142.82

Original invoices and receipts must be attached for payment. Include current taxes unless incorporated in price.

ACCOUNT # _____ FUND _____ ORG _____ ACCT _____ PROGRAM _____

Business Office

APPROVALS _____ Date _____

Dean *Paul Ely* 9/20/11

VP / President *Margaret Maloney* 9/26/11



Furniture Quotation

Prepared For: GERRY GIRE

Company: LAS POSITAS COLLEGE

Phone: 925-424-1331

Fax:

Email: GGIRE@laspositascollege.edu

Date: 9/14/2011

Offer Valid Until: 12/31/2011

VWR Quote (C/S) #: K2-091411-LAS POSITAS-REV2

Revision:

Prepared By: PHIL Lo DUCA
3021 Gateway Drive
Suite 280
Irving, TX 75063

Phone: 925-673-0473

Fax: 954-697-7853

Email: phil_loduca@vwr.com

Notes:

PLEASE ALLOW 6 - 8 WEEKS FOR DELIVERY. INSTALLATION OF SMALL FUME HOOD INCLUDES DUCTWORK AND TWO DAMPERS TO BALANCE AIRFLOW IN POWDER HOOD AND NEW CHEMICAL HOOD.

Line #	Qty	Catalog #	Unit Sell	Extended Sell
<u>2-FT HOOD</u>				
1	1	82010-644 SYSTEM ENCL BAL 2' 115V WITH MONITOR/ALARM	\$2,344.00	\$2,344.00
2	1	82010-690 WORK SURFACE 2' WIDE BLACK	\$300.20	\$300.20
<i>Subtotals for 2-FT HOOD:</i>				\$2,644.20
<u>SNORKELS</u>				
3	50	70500344 HOOD CHEMICAL MULTIPURPOSE BT2	\$121.59	\$6,079.50
4	50	70500844 BT2 4" REDUCER KIT, ALLOWS FOR SWIVEL	\$35.23	\$1,761.50
5	50	70501144 BT2 WALL MOUNT/BRACKET COMPLET	\$86.36	\$4,318.00
6	50	70580344 BT2 ARM 4IN X 6FT CHEMICAL	\$643.18	\$32,159.00
<i>Subtotals for SNORKELS:</i>				\$44,318.00
<i>Total Sell:</i>				\$46,962.20
				\$2,500.00
				\$10,571.43
				\$3,955.06
Total:				\$63,988.69

Payment Terms: **Net 30**

Tax: **Taxable Unless Purchase Order presented with Tax Certificate**

Approved By: _____ PO#: _____ Date: _____

When placing your order, please indicate your P.O. number. Sign and date the above and fax your P.O. along with this signed form to (972) 753-1389, attention to the estimators noted below. If you have any questions regarding this proposal or if we can be of further assistance, please contact your VWR team.

Your Estimator is: PHIL Lo DUCA
Phone: 925-673-0473
Email: phil_loduca@vwr.com

Your Specialist is:
Phone:
Email:

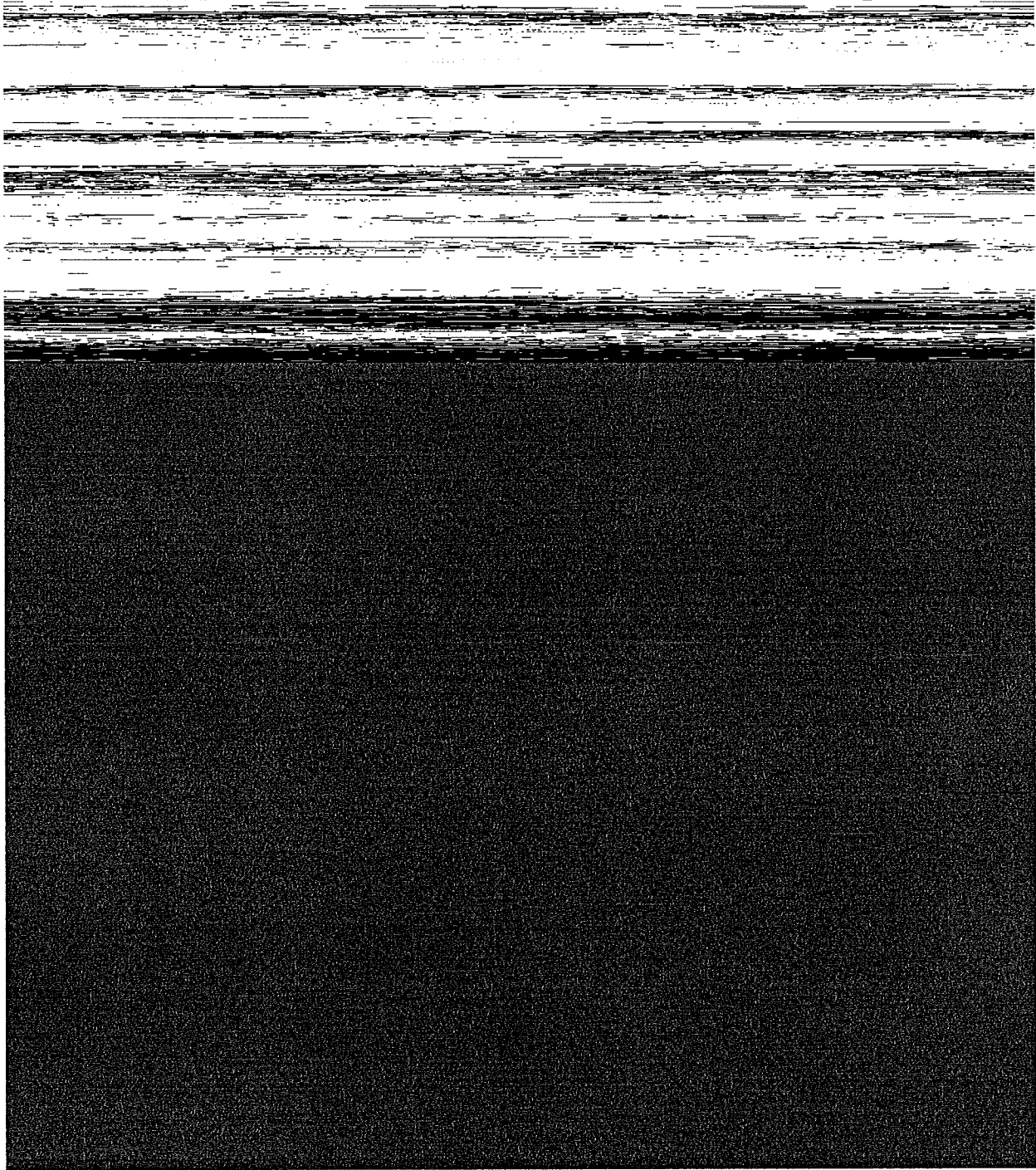
Prices are based on standard VWR color and construction. Prices do not include any applicable taxes, storage, installation, special crating or unloading. Rediship cabinets are available from stock, subject to availability at time of order. See special lead times on all non-stock "Misc-Furniture" items which are non-returnable and non-refundable. Customer signed approvals are required when drawings are supplied for these items. Hard copy purchase order must be received before order can be scheduled. See attached for terms and conditions.

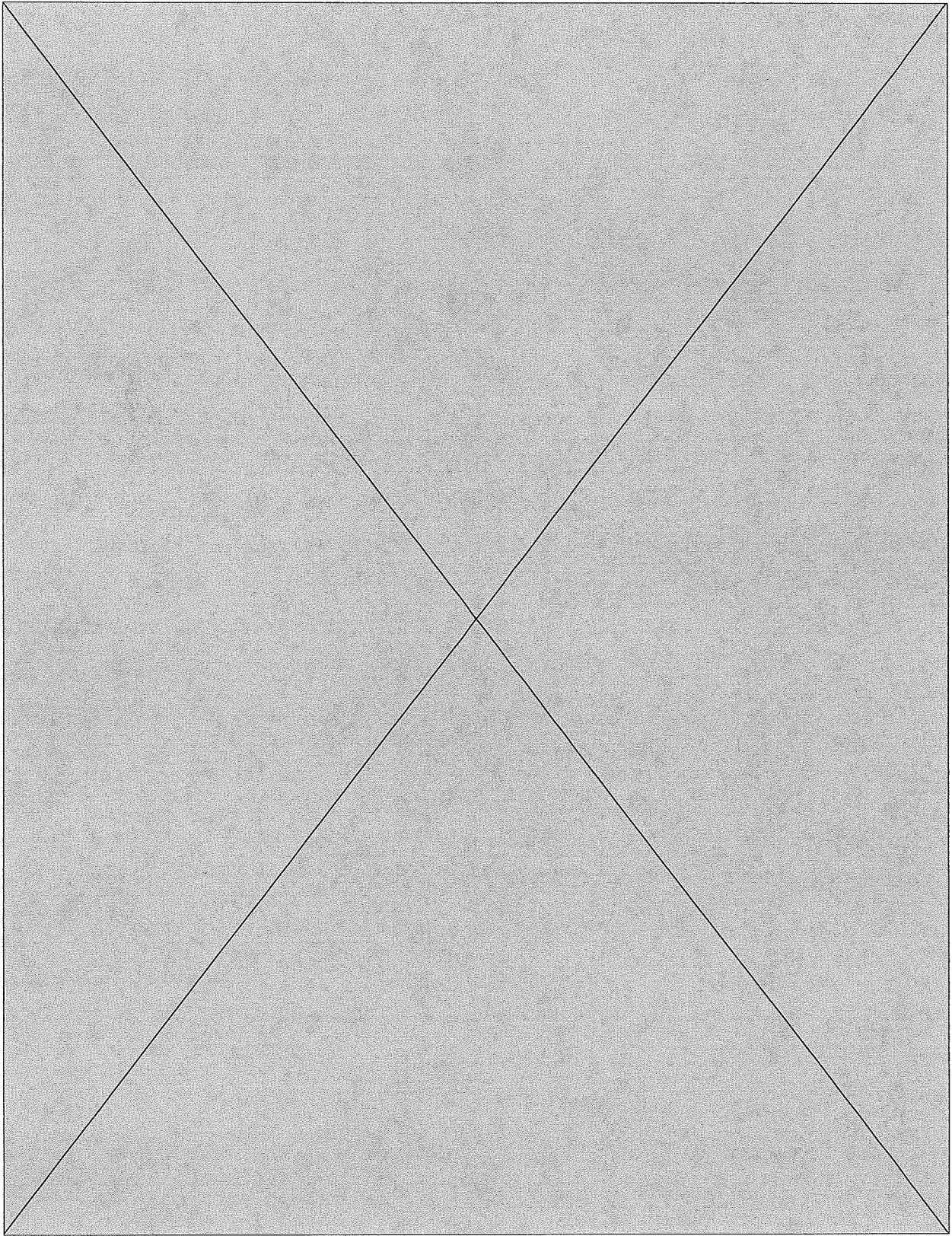
VWR International General Terms and Conditions of Sale

1. **Acceptance** - ALL SALES ARE SUBJECT TO AND EXPRESSLY CONDITIONED UPON THE TERMS AND CONDITIONS CONTAINED HEREIN, AND UPON CUSTOMER'S ASSENT THERETO. NO VARIATION OF THESE TERMS AND CONDITIONS WILL BE BINDING UPON VWR UNLESS AGREED TO IN WRITING AND SIGNED BY AN OFFICER OR OTHER AUTHORIZED REPRESENTATIVE OF VWR.
2. **Specifications** - Product specifications are subject to change without prior notice.
3. **Delivery**
 - a) Delivery of all orders will be FCA (INCOTERMS 2000). Shipping and handling fees, special packaging materials (e.g., blue ice), carrier surcharges and hazardous material fees imposed by government regulation will be added separately to the invoice.
 - b) All freight is F.O.B. shipping point with tailgate delivery, unless otherwise noted. Unloading and inside delivery is not included unless specifically noted in VWR's proposal.
4. **Damaged Shipments** - Please inspect your VWR shipment upon receipt. If any external damage is noticed, accept the shipment only after the driver has noted the damage on both his and your copies of the delivery receipt and you have requested an inspection by the carrier. Keep all containers and packing material for inspection. ICC regulations required that all containers be opened and inspected within 10 days of date of shipment. It is customer's responsibility to file claims on quotations that indicate F.O.B. is shipping point. VWR International reserves the right to repair a damaged product, where applicable, before replacement or credit is determined.
5. **Payment Terms**
 - a) Individual invoices, net thirty (30) days from date of invoice; summary invoices, if any, are due upon receipt. VWR uses a progressive billing procedure with invoices generated at time of materials shipment. Payment is expected within 30 days of invoice date (unless other terms have been agreed to in writing between VWR and customer).
 - b) Progress invoices for installation are generated as they are submitted to VWR; payment is to be made within 30 days of invoice date (unless other terms have been agreed to in writing between VWR and customer).
6. **Sales Tax** - Sales taxes where applicable (local, state or federal) will be added to the invoice price.
7. **Product Return Policy**
 - a) Return shipment without prior approval of VWR will not be accepted.
 - b) All returns must be authorized by VWR in order to insure proper credit. NOTE: All returns are subject to 25% restocking charge. Where credits will be issued to the Customer for authorized returns under \$100, the Customer is not required to return the product to VWR. To ensure proper credit, each Product return must include the following information:
 - i. Customer Name and Address
 - ii. Purchase Order Number
 - iii. VWR Shipping Order Number
 - iv. Date of Invoice
 - v. Catalog Number of Returned Item(s)
 - vi. VWR Return Authorization Number
 - vii. Reason for Return
 - c) Products not authorized for return include:
 - i. Products not in completely resaleable condition (including Products with damaged, missing or defaced labeling or packaging)
 - ii. Chemicals, reagents, diagnostics, sterile or any controlled products (unless products do not meet specification)
 - iii. Laboratory apparatus or instruments that have been used or are without the original packaging, labeling and operating manuals.
 - iv. Refrigerated products or other perishables
 - v. Products purchased on a Special Order Basis
 - vi. Products not purchased from VWR
 - vii. Products with an expired shelf life or an expiration date too short for resale
 - viii. Discontinued products
 - d) Each return shipment of hazardous materials must be packed and labeled in accordance with DOT regulations applying to transportation of hazardous materials. Shipping documents must also meet DOT regulations. The product should be shipped to the indicated service center and the transportation charges prepaid. To ensure prompt handling, the return authorization number should be placed on the outside of the package.
8. **Product and Service Warranties and Limitation of Liability**
 - a) VWR warrants to the original Customer only that:
 - i. VWR VistaVision™ microscopes are guaranteed to be free of defects in material or workmanship for five (5) years from delivery, with the exception of the electrical system, which is guaranteed to be free of defects in material or workmanship for one (1) year from delivery; VWR symphony™ meters are guaranteed to be free of defects in material or workmanship for three (3) years from delivery; and all VWR Private Label equipment is guaranteed to be free of defects in material or workmanship for two (2) years from delivery;
 - ii. All VWR Private Label laboratory casework will, under normal use, be free from defects in material or workmanship for one (1) year and corrosion for three (3) years from installation date and, if VWR installs the laboratory casework, the installation labor will be guaranteed for one (1) year;
 - iii. All software programs are warranted in accordance with the software vendor's license agreement;
 - iv. All other Products, branded and private label, will meet the manufacturer's specifications for a term equal to the warranty period stated in the Product manufacturer's literature or sixty (60) days, whichever is longer; and
 - v. Services provided, if any, will be of the kind and quality designated and will be performed by qualified personnel.
 - b) VWR HEREBY DISCLAIMS ALL OTHER WARRANTIES OR GUARANTEES WITH RESPECT TO THE SUBJECT MATTER OF THIS AGREEMENT, WHETHER STATUTORY, WRITTEN, ORAL, EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
 - c) The liability of VWR under this limited warranty does not extend to any Products which are abused, altered or misused by the Customer or any other persons or entities or which become defective or non-conforming through the actions or inaction of the Customer or any other persons or entities. A defective or non-conforming Product is defined only as a Product which is outside of the manufacturer's defined Product specifications, and shall not include Products that fail to meet any fitness of use by Customer or any unique Customer

operating conditions or applications.

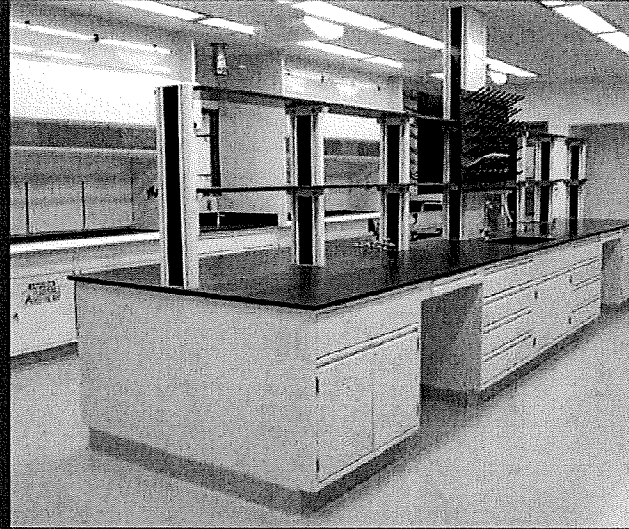
- d) If any Product or Service warranted hereunder proves defective or non-conforming, VWR's sole liability and Customer's sole remedy hereunder shall be for VWR, to repair or, at VWR's option, (i) replace (or re-perform the Service), at no cost to Customer, any such defective or non-conforming Product with a non-defective or conforming Product (as applicable) or (ii) credit Customer's account for all amounts paid with respect to the defective or non-conforming Product or Service upon VWR's receipt of the defective or non-conforming Product. In the event of replacement, the replacement Product will be warranted for the remainder of the original warranty period or ninety (90) days, whichever is longer.





installed.

Furniture installation demands close attention to your lab's technical and safety requirements. VWR's factory-certified Furniture Installers provide indispensable knowledge and experience to complete this pivotal phase of your project. Specializing in lab construction, our team ensures every component is built according to plan, even under the pressure of an aggressive deadline. From shelving and heavy-duty casework to the finishing touches that bring your lab to life, we offer complete project supervision before, during, and after installation to make sure your work space is set up to support productivity.



Everything You Need from One Source

- Biosafety Cabinets
- Casework Metal, Wood, Plastic, & Stainless Steel
- Chairs & Stools
- Countertops
- Emergency Eyewash Station
- Environmental Rooms
- Fume Hoods
- Glassware Washers
- Office Furniture
- Prefabricated Cleanrooms
- Shelving
- Tables/Workstations
- Safety Cabinets
- Sinks & Fixtures
- Undercounter Refrigerators/Freezers
- Walk-In Cold Rooms
- Water Systems

A Team Dedicated to Complete Furniture Solutions

Unlike many companies in the lab furniture industry, VWR supports you throughout every phase of furnishing your lab. Our Furniture Team is organized into highly focused, collaborative units that offer:

- Comprehensive planning for every kind of lab
- A closely monitored inventory of top-quality furniture and components
- Complete project supervision from proposal through final installation

Factory-trained VWR Furniture Specialists work in coordination with VWR Sales Representatives to help you select the most functional and cost-effective solutions for your lab. Specialists also oversee the design-to-install process.

VWR Furniture Project Estimators help you identify all laboratory furniture requirements, and they value-engineer your project to meet budgetary needs. This professionally trained team provides a comprehensive estimate of your project's cost.

Using the latest Computer Aided Design (CAD) software, VWR Furniture Design Specialists create lab plans to suit your specifications, maximizing space usage and complying with all established safety guidelines.

Once your lab is planned, a VWR Furniture Project Coordinator oversees every detail of the job from start to finish, managing ordering, shipping, and final installation, as well as handling all project details to your complete satisfaction.

Factory-trained VWR Furniture Installers deliver quality installations on time. Their extensive experience and thorough knowledge of VWR furniture components assure a fast, trouble-free finish to your project.

Learn More about VWR Furniture Products, Services, and Customer Support

VWR REDISHIP

VWR Rediship offers you many laboratory furniture items in a matter of days*. If you're ready to renovate your lab at a moment's notice, or if you need to quickly replace lab chairs, tables, carts, shelving, steel casework, or fume hoods, VWR Rediship is ready when you are.

VWR.com

We've made it simple for you to find the most comprehensive, up-to-date information about our lab furniture line on VWR.com, one of the most advanced websites in the industry by virtue of its strong customer focus. You can also access our literature portfolio, installation video, and project photos at www.vwrsp.com/furniture, our dedicated furniture website.

VWR Laboratory Casework and Technical Furniture Catalog With nearly 500 full-color pages, the VWR Furniture Catalog provides complete information on our broad selection of lab furniture and components. To order your free copy today, visit www.vwrsp.com/furniture or contact your VWR Sales Representative.

VWR Online Lab Planner

Whether you're planning a new or remodeled lab, you can quickly develop a concept design and budgetary estimate at www.vwrsp.com/labplanner. This useful online tool helps you create a design based on your specifications, or you can use pre-planned rooms with a variety of furniture choices and sizes. You can even print a budget estimate with your plan, complete with a list of items and reference costs.

*Most Rediship items ship within 72 hours of order. VWR® Contour™ Chairs ship within 48 hours. All items are subject to availability at time of order. Large-quantity orders may require longer lead times. 72-hour shipping time is based on immediate credit approval.



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