

# BENCHMARKS

## NEW PRODUCTS

### ChemoSHIELD® Glovebox Designed for Hazardous Pharmaceuticals

The Baker Company's ChemoSHIELD® is the industry's first ergonomically comfortable, totally contained glovebox designed for aseptic compounding of hazardous or potent pharmaceutical drugs, chemotherapy agents and IV admixtures. The negative-pressure glovebox provides a physical barrier between pharmacists and the hazardous drugs they may encounter.

More than ever, pharmacy personnel in hospitals, retail stores, nursing homes and home health care organizations need to protect themselves from the toxic nature of today's prescription drugs while maintaining the integrity of the prescriptions. The ChemoSHIELD® provides superior personnel and product protection through a unidirectional HEPA-filtered airflow of better than Class 100 air cleanliness conditions within the negative-pressure chamber to prevent migration of hazardous contaminants to the outside while eliminating cross-contamination on the work surface.

The ChemoSHIELD® offers a wide range of features and benefits for today's pharmacist. See Page 3 for glovebox details. For more information about the ChemoSHIELD®, contact The Baker Company at (800) 992-2537 or visit [www.bakerco.com](http://www.bakerco.com).



A viewscreen top hinge allows full opening for loading of instrumentation or equipment

The ChemoSHIELD® glovebox is designed for aseptic compounding of hazardous or potent pharmaceutical compounds, chemotherapy agents and IV admixtures.

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## ABOUT US

Benchmarks is a quarterly publication of The Baker Company.

If you have suggestions or comments, please call The Baker Company.

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# Eagleson Institute Goes International

The Eagleson Institute has conducted training in two countries during the last six months. Eagleson Institute Executive Director Mary Ann Sondrini and Biosafety Consultant Jonathan Richmond, Ph.D., traveled to Lima, Peru, to conduct introductory training courses on biosafety and biological safety cabinets for Peruvian laboratory directors. In July, institute instructors will head back to Peru to work with the Ministry of Health to develop a biosafety cabinet certification program

and train the country's first group of biological safety cabinet certifiers.

In January 2003, the Eagleson Institute conducted biological safety cabinet training in Novosibirsk, Siberia. Dave Stuart, Ph.D., and Jim Wagner, MICROClean, Inc. spent two weeks at Vector teaching representatives from research facilities throughout Russia how to certify and troubleshoot biological safety cabinets.

## Laboratory Commissioning Class, November 2003

The Eagleson Institute is pleased to announce the addition of a new course to the fall 2003 schedule. The course "Laboratory Commissioning" focuses on HVAC system commissioning and will use a hands-on approach to train participants about the commissioning process and its practical applications.

The commissioning process for construction projects is a quality-control protocol to test, verify and document that a building's HVAC systems meet the facility owner's functional, operational and performance requirements. This process is vital to laboratories due to

requirements for stable and accurate environmental control and monitoring.

The course will teach a formal commissioning process based on various industry standards. Participants will use an actual on-site HVAC system to practice this process, which includes testing, verification, issue logging and resolution.

The three-day class is designed for experienced HVAC engineers, facility engineers, controls contractors and system installers. Instructors are Dan Frasier, PE of Cornerstone Commissioning Inc., and Dan Ghidoni, PE of The Baker Company.

## PLAN AHEAD FOR CDC'S BIOSAFETY SYMPOSIUM

The Centers for Disease Control and Prevention's 8th National Symposium on Biosafety is January 25-28, 2004, at the Crowne Plaza Ravinia Hotel in

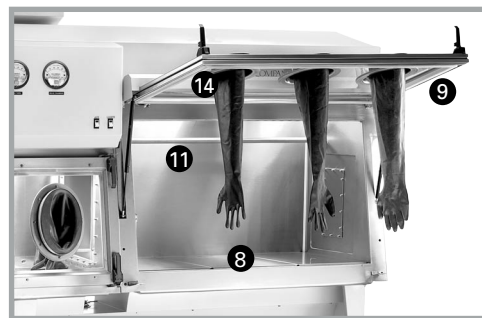
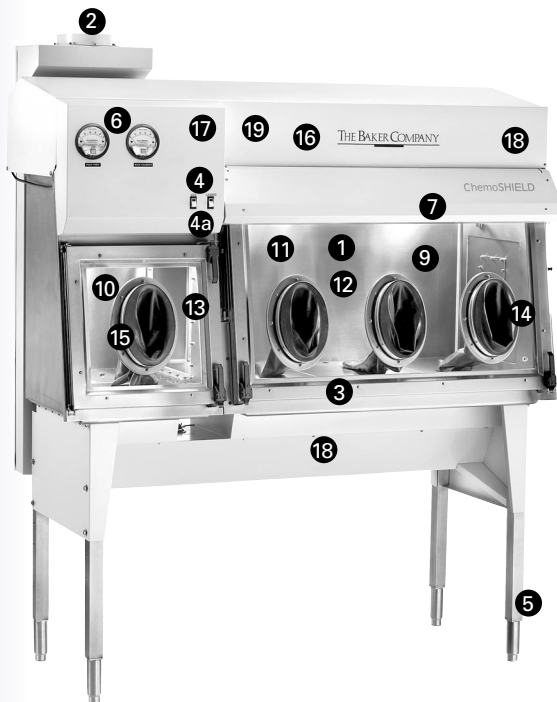
Atlanta. For more information, contact the Eagleson Institute at (207) 490-1076 or [eagleson@eagleson.org](mailto:eagleson@eagleson.org).

# ChemoSHIELD®

## NEGATIVE PRESSURE

# Design Features

- 1 Slanted viewscreen sloped 10° for the most comfortable head and elbow position when working; minimizes arm extension required to reach the work surface.
- 2 8" exhaust collar for hard transition to facility exhaust system.
- 3 Low profile, unitized drain pan beneath the work surface allows best arm position.
- 4 Fluorescent lamp on/off switch.
- 4a Auxiliary switch for optional duplex electrical outlet(s).
- 5 Telescoping stand can be configured from 32" to 41" work surface height before glovebox is hard-connected to facility exhaust system.
- 6 Large, easy-to-read magnehelic gauges display negative pressure in interchange and work area with respect to room.
- 7 Fluorescent lighting minimizes heat output and improves eye comfort.
- 8 Non-glare work surface improves visual comfort and is easy to clean.
- 9 Hinged viewscreen is closed and locked for normal operation, opens fully for loading equipment or instrumentation (after decontamination).
- 10 Negative pressure interchange permits secure pass-thru in and out of the work area.
- 11 Straight back wall provides greater capacity at work surface level.
- 12 Negative pressure work area
- 13 For improved personnel protection, pass-thru door and interchamber door are mechanically interlocked to prevent both from being open at the same time.
- 14 Oval gloveports permit maximum reach to all interior surfaces.
- 15 Interchange gloveport simplifies management of product into and out of the work area and allows operators to perform a surface decontamination of items prior to their removal.
- 16 Front access to supply HEPA filter permits easier filter replacement.
- 17 Front-loading HEPA supply filter is 99.99% efficient; provides better than Class 100 air within the main chamber and pass-thru interchange.
- 18 Individual supply and exhaust HEPA filters service the main chamber and interchange.
- 19 Bag out provision for safely changing exhaust HEPA filters.



Contact The Baker Company for more information or for a quotation. Phone: (800) 992-2537. Fax: (207) 324-3869.  
E-mail: [bakerco@bakerco.com](mailto:bakerco@bakerco.com). Visit [www.bakerco.com](http://www.bakerco.com) to find your local Baker Company sales representative.

# BioPROtect® Jr.— It's Not *Just* For Robotics Anymore

The Baker Company has introduced a smaller BioPROtect® walk-in/reach-in biosafety cabinet. Although designed primarily for housing high-throughput automated work stations (robotics), the BioPROtect® Jr. also accommodates large pieces of laboratory equipment such as fermentors and bioreactors, flow cytometers, ultra-centrifuges, chemistry equipment and other large-scale processes.



Both the BioPROtect® Jr. and the larger BioPROtect® II perform to Class II, Type A2 criteria. They may be connected to a house exhaust system and vented to the outdoors or vented directly back into the laboratory (after HEPA filtration). The BioPROtect® II and the BioPROtect® Jr. provide personnel, product and environmental protection from bio-aerosols and other particulates. They also provide personnel protection from odors and fumes when connected to an exhaust system and vented to the outdoors.

**The BioPROtect® Jr. is compact enough to fit easily into a laboratory and large enough to accommodate many tall robotics systems and ancillary equipment such as plate stackers and stacker carousels.**



## INSIDE DIMENSIONS

## OUTSIDE DIMENSIONS

BioPROtect® II

102"W x 36.5"D x 76"H

116.5"W x 49.75"D x 106"H

BioPROtect® Jr.

51"W x 36.5"D x 76"H

66"W x 49.75"D x 106"H

*Factory-Direct Installation is Available*

Contact The Baker Company for more information or for a quotation. Phone: (800) 992-2537. Fax: (207) 324-3869. E-mail: [bakerco@bakerco.com](mailto:bakerco@bakerco.com). Visit [www.bakerco.com](http://www.bakerco.com) to find your local Baker Company sales representative.

## David Smith Named 2002 Maine Quality Professional of the Year

The Baker Company is proud to announce that Quality Manager David Smith has received the Rudolf G. Woodward Award, recognizing him as “that person who has contributed most greatly to the advancement of quality in the state of Maine.”



**Quality Manager, David Smith (R) recipient of the Rudolf G. Woodward Award, with Baker President Dennis Eagleson (L).**

A longtime quality professional and certified quality manager, Smith has served as section chair of the American Society for Quality (ASQ-Pine Tree Section) for the past two years and led the executive committee in such projects as establishing scholarships for deserving Maine students, helping

foster a golf tournament as a fund-raising arm for scholarships, conducting the society’s first membership survey, providing a range of popular section events for both the manufacturing and service industries, and establishing a subcommittee for on-site skills training for employees. “For me, the peer recognition is doubly rewarding because it is matched by acknowledgment of the tremendous strides we as a company have made in the quality of Baker products and processes,” says Smith, who runs Baker’s in-house quality system. “This award is a fine reflection on The Baker Company, which I am proud to represent in the community and the state.”

### IT’S A GIRL!

Cybelles Guerrero, Baker’s national sales manager, gave birth to a bouncing baby girl! Brielle Evette Bogash was born Sunday, March 9, 2003. Weighing in at 8 pounds, 1 ounce, little Brielle came into this world with a full head of hair. Cybelles recently returned to work and we welcome her back!

## Baker Employees Ham it up for United Way

Baker Company personnel raised money and awareness for the local United Way in our annual rally. This year’s theme was “Celebrity Weakest Link” and featured Anne Robinson (Brandy Maszka, Customer Support); Austin Powers (Roland Beaudoin, Assembly); Captain James T. Kirk (Cliff Colby, Sales & Marketing); Elvis (Mike Russell, Accounting); and Cher (Tom Holland, Welding).



**Cliff Colby as Captain Kirk stands next to Cher as portrayed by Tom Holland.**

“The community is only as strong as its weakest link. The Baker employees are NOT the weakest link. There are no 99 cent stores on this Rodeo Drive,” said Gayle Spofford (Accounting), Baker’s United Way campaign coordinator.


## Lucky Baker Winners

The following people won 12 live Maine lobsters or a Palm Pilot by stopping at The Baker Company booth and filling out a three-minute survey during several recent conferences. Look for The Baker Company at your next conference and register to win a great prize.

<b>Martin Gerdes, Sioux Falls, SD</b>	<b>Experimental Biology</b>
<b>Rudy Choich, Salisbury, MD</b>	<b>ASHP</b>
<b>Jennifer Kmiec, Newark, DE</b>	<b>Experimental Biology</b>
<b>Manoj Misra, Greensboro, NC</b>	<b>ToxExpo 2003</b>
<b>Janet Payeur, Ames, IA</b>	<b>ASM</b>
<b>Michael Parnell, Hamilton, MT</b>	<b>ToxExpo 2003</b>
<b>Karen Steinmetz, S. San Francisco, CA</b>	<b>ToxExpo 2003</b>
<b>Stella Eng, New York, NY</b>	<b>ASHP</b>
<b>Mike Edwards, Baltimore, MD</b>	<b>ASHP</b>
<b>Karen Klyczek, River Falls, WI</b>	<b>ASM</b>
<b>Mark Wooten, Toledo, OH</b>	<b>ASM</b>

FOR INFORMATION

# Fax Us Your Request Today

 (207) 324-3869

- SterilSHIELD® Sterility Assurance Glove Box
- ChemoSHIELD® Containment Glove Box
- SterilGARD® 303 (3-foot) Biological Safety Cabinet
- SterilGARD® 403/603 (4-foot/6-foot) Biological Safety Cabinet
- BioPROtect® II Walk-In Biosafety Enclosure
- MicroGARD® Precision Weighing Station
- Ergonomic Accessories Brochure
- Custom Products Brochure
- Animal Research Products
- Have a Local Representative Call Me

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