

PROVIDING SAFE CONTAINMENT SOLUTIONS FOR OVER 45 YEARS

SAFE • RUGGED • SECURE • FULLY INTEGRATED • BUILT TO YOUR SPECIFICATIONS



CLASS III
BIO-SAFETY CABINETS



MOBILE LABORATORIES
TRUCKS - TRAILERS - VANS



MODULAR
LABORATORIES



CLASS III ANIMAL
CONTAINMENT HOUSING



CUSTOM CLASS I & II BSCS
CUSTOM FUME HOODS



GLOVEBOXES
STANDARD & CUSTOM



BSL-3 AND BSL-4
STAINLESS STEEL CASEWORK



CLASS III BSC
TRANSFER CARTS



RAPID TRANSFER PORTS (RTP)

GLOVEBOXES • CLASS III BSCs • ISOLATORS

STANDARD AND CUSTOM DESIGNS

Germfree's line of Gloveboxes are constructed from heavy-gauge stainless steel featuring large covered radius corners for ease of cleaning and decontaminating. Gloveports can be round or oval and are ergonomically placed for maximum comfort.



CUSTOM CLASS III BIO-SAFETY CABINETS

Germfree regularly builds Class III Biological Safety Cabinets to the exact specifications of researchers. We have vast experience integrating pieces of laboratory equipment within the containment area. Custom Class III projects include the use of mock-ups to ensure maximum ergonomic results. Single and double-sided designs available.



CLASS III AERO-BIOLOGICAL CHAMBERS WITH BATTERY-POWERED MOBILE TRANSFER CART

Germfree, together with USAMRIID, pioneered the use of rapid transfer ports (RTPs) for biocontainment and research applications. This unique design provides a new level of safety and comfort for both researchers and lab animals. The battery-powered transfer cart is equipped with a large RTP that docks to the aerosolization chamber and allows a safe and efficient transfer of the research animal.



CLASS III ANIMAL HOUSING AND ISOLATORS

Germfree can provide high containment housings for animal research applications including poultry isolators. Animals can be conveniently housed within Class III containment. Double-door autoclaves, rapid transfer ports, and chemical dunk tanks are integrated into the systems to allow for transfer of research animals or support materials. Germfree builds to your specifications.



PORTABLE AND TRANSPORTABLE CLASS III GLOVEBOX

Portable Gloveboxes provide flexibility while maintaining containment in multiple locations and while in transport. Germfree also provides transportable Class III Systems for field applications that store and ship in their own cases. These special, limited use systems provide double HEPA exhaust filters and on-board motor blowers.



S.E.A. GLOVEBOX - SAFE, ERGONOMIC, AFFORDABLE

Germfree's most basic Class III BSC Glovebox is simple, affordable, and ergonomic. This glovebox is ideal for researchers with space restrictions or limited budgets. Germfree's SEA glovebox provides an added level of safety in facilities that lack reliable secondary containment.



CONTAINMENT LINE

Germfree can also accommodate your containment needs when the hazard is chemical or radiological. Chemical Gloveboxes are polymer-coated for chemical resistance and offer maximum personnel protection at a fraction of the airflows that traditional fume hoods need. Germfree can also equip the exhaust with military grade carbon filters.

INTEGRATION OF LABORATORY EQUIPMENT

INTEGRATION IS OUR SPECIALTY.

Germfree can integrate virtually any piece of laboratory equipment into Gloveboxes, Class II and Class III Biological Safety Cabinets or custom Fume Hoods.



DOUBLE DOOR AUTOCLAVES

Germfree manufactures double-door autoclaves designed for mobile and modular laboratory applications, as well as autoclaves that are integrated into our Class III Biological Safety Cabinet systems. These units are available with chambers that are 305mm or 355mm (12 or 14 inches) in diameter. We also have experience integrating large commercially available autoclaves.



MULTI-CHAMBER GLOVEBOX LINE

Germfree routinely builds multi-chamber glovebox lines to accommodate the entirety of processes that researchers need. Often, each chamber has an integrated piece of laboratory equipment designed to perform a specific task under containment. Chambers are able to be isolated from one another to allow decontamination of a single chamber or the entire line.



DUNK TANKS AND PASS-THRU CHAMBERS

Chemical dunk tanks and pass-thru chambers allow researchers to safely introduce and remove items from the containment area. Because Class III BSCs and other containment equipment require safe means to remove items, Germfree offers choices to the researcher. Chemical dunk tanks, pass-thru chambers (ante-chambers, airlocks), and double-door autoclaves are all proven means to safely accomplish this task.



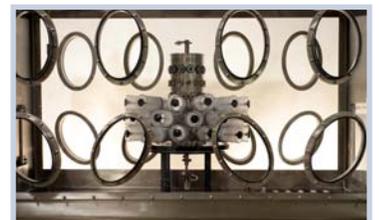
RAPID TRANSFER PORTS (RTPS)

Available in 5 diameters up to 460 mm (18 inches), RTPs allow the safe transfer of chemical and biological items into and out of Gloveboxes, Class II and Class III Biological Safety Cabinets, Fume Hoods, and controlled rooms. Germfree has a great deal of experience using RTPs in a variety of settings including research animal transfer. Canisters available in stainless steel and plastic.



EQUIPMENT INTEGRATION

Incubators, microscopes, autoclaves, aerosolization equipment, centrifuges, and other pieces of laboratory equipment are routinely integrated into containment enclosures. There is no limit to what Germfree can integrate into our containment enclosures. We take the time to work out the best ergonomics while ensuring your safety.



MOBILE LABORATORIES

TRAILERS • TRUCKS • VANS • CONTAINERS • MOBILE CONTAINERS

Germfree makes a variety of Mobile Laboratories built to suit the unique needs of researchers. From quick response to outbreaks and other hazardous events to national security missions, Germfree can provide the mobile laboratory that fills the need for flexibility of response. Built for up to BSL-3 specifications on a variety of vehicular platforms, Germfree has the experience to provide you with exactly what your mission requires (containment for biological, chemical, radiological or any combination). Mobile labs are typically fitted with reachback communications and other security measures.

Ruggedized: Developed in conjunction with the U.S. Army, Germfree mobile laboratories are ruggedized to withstand the rigors of transportation. Germfree routinely provides pneumatic (air ride) cushioning for delicate lab instruments installed on lab benches. The equipment is locked in place and is protected from the road shock and vibration associated with transport.

Fully Integrated: Germfree can integrate any piece of laboratory equipment into an on-board containment enclosure.



TRAILER LABORATORIES

Trailer labs are available in a number of standard sizes to suit workspace requirements of lab workers. Trailer labs can be built to BSL-3 specifications, can be fully decontaminated, and Germfree can provide all the bench space and casework needed to perform required lab activities.



TRUCK LABORATORIES

Built to your specifications, truck labs represent the ultimate mobile laboratory. Completely self-contained, truck labs are typically equipped with slide-outs to maximize laboratory space once in place. RTPs are often used to bring items from the field directly into the containment equipment within the truck lab via external access.



VAN LABORATORIES

Van labs offer a small platform for applications where sample collection and limited testing in the field is needed. Germfree is capable of installing a large amount of containment equipment into this small space. When quick transport to remote or urban areas is required, van labs fit the bill.



MOBILE CONTAINER LABORATORIES

Mobile container labs feature retractable wheels for convenient shipping by C-130 aircraft (also by rail, truck, and ship). Additionally, it can be pulled like a trailer for final placement. Mobile container labs also feature slide-outs to maximize lab space once in place, and they contain the same security items as our other mobile laboratories.



MODULAR & CONTAINER LABORATORIES

Modular laboratory construction offers several advantages over traditional construction. Germfree can design, engineer and manufacture a modular laboratory in a shorter period of time than traditional buildings. Interior walls and ceilings are seamless Arcoplast® which provides coved transitions and allows for effective decontamination and easy cleaning. Modular labs can be manufactured up to BSL-3 specifications and include Germfree custom BSL-3 casework that is specifically designed for ease and thoroughness of decontamination. Germfree also manufactures HVAC components to include helium pressure-tested stainless steel plenums and ducts.

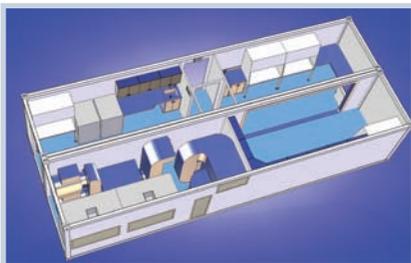


HVAC Systems: All Germfree modular laboratories are equipped with the highest quality HVAC systems components. Germfree has an experienced staff of in-house engineers who specialize in the design of bio-containment labs including HVAC systems for BSL-3 Laboratories - modular and mobile.

INTERNATIONAL SOLUTIONS:

SHIPPING CONTAINER LABS

Standard insulated shipping containers, typically used for refrigerated service, serve as the platform for container labs. Multiple units may be joined together to provide a large work area for the lab. These labs are built using the same premium components as our standard modulares. Each container section is shipped separately and assembled on-site. Germfree is pleased to work with you for site preparation to ensure a trouble-free installation.



OTHER GERMFREE OFFERINGS



RCK rapid containment kit

Providing extra containment space, containment for messy applications, or for safe field examinations, Germfree's Rapid Containment Kit is a great low-cost solution. All the components are easily packed into a small carrying case, and the system includes standard 40mm NATO threaded cartridge HEPA filters. Operating on D-cell battery power, you can take it anywhere.

BSL-3 & BSL-4 CUSTOM CASEWORK

Germfree offers custom BSL-3 & BSL-4 casework. This all stainless steel casework eliminates the nooks and crannies decontamination gasses can't get into. All sinks are seamlessly welded into place and polished smooth. BSL-3 & BSL-4 casework is designed around your unique needs.



CUSTOM FUME HOODS

Germfree frequently builds custom fume hoods for unusual applications. These all stainless steel fume hoods are designed around researcher workflow requirements and may be fitted with RTPs or integrated into other containment equipment. Examples include explosion-proof, chemically resistant, and radio-isotope fume hoods.

Customer Service: Germfree is ready to help. We have a full staff of knowledgeable people ready to help you with your containment needs. Our Applications Specialists will talk through your application and suggest the correct solution or range of solutions. Our after-sale support includes several options for extended warranty and service contracts.

Containment Without Limitations: At Germfree we like to think out of the box, and we are ready to provide you with exactly what you need. You are only limited by your imagination.

Germfree History: Germfree Laboratories was started by Jerome Landy, M.D., Ph.D., in 1962. The company began by providing equipment for surgical procedures and housing of germfree (gnobiotic) research animals. Germfree began manufacturing Class III BSCs prior to the development of the Class II BSC.

