

BL1, BL2, BL3, BL3+, & CABINET BL4

# MODULAR LABORATORIES



Custom Built and Delivered  
Directly To Your Site.





Delivered directly to your site.

## THE CERTEK ADVANTAGE

Consider the advantages you'll receive when you order a modular laboratory from CERTEK®. The design and construction of each laboratory is designed with the consultation of a Registered BioSafety Professional and delivered fully equipped, and tested. Our laboratories are custom configured to your specific needs, with optional built-in decontamination systems.

Every model of modular laboratories can be customized to create a safe, convenient and affordable working environment for prime efficiency and maximum productivity.



## BL1, BL2, BL3, BL3+, & CABINET BL4 MODULAR LABORATORIES

### FEATURES & BENEFITS

- DELIVERY 4-6 MONTHS AFTER DESIGN DRAWING APPROVAL
- COMPETITIVE PRICING
- HEPA (99.99%) FILTERED AIR IN/OUT
- REDUNDANT EXHAUST SYSTEMS
- METAL/FIRE RETARDANT CONSTRUCTION
- SEALED AND ISOLATED - READY FOR DECONTAMINATION
- NINE FOOT INTERNAL CEILING HEIGHT
- STANDARD AND OPTIONAL EMERGENCY POWER PANELS

### OPTION:

BUILT-IN AUTOMATIC DECONTAMINATION SYSTEM

## SPECIFICATIONS SUMMARY

### SERVICES PROVIDED BY OWNER

Potable Cold Water  
Distilled Water, if required  
Standard Electrical, 208v, 3Ph  
Emergency Electrical, 208v, 3Ph  
Steam 50-80 psig, Max Usage 125#/Hr (if available)  
Sanitary Sewer

### STRUCTURE

Metal Construction  
Meets Modular Building Code  
Interior Walls and Ceiling Sealed  
Floor is Welded Vinyl  
Tracer Gas Tested for Air tightness  
Designed for 100 MPH Winds

### AIRFLOW AND CONDITIONING

Once through Air, HEPA (99.99%) In/Out  
Temperature, 72°, +/-4, Rh, 50% +/-10  
6 - 12 Air Changes/Hr., O.A.  
Redundant Exhaust System  
Highly Efficient, NON-CFC Refrigerants, Cooling  
Steam or Electrical Heat and Reheat  
Clean Side/Dirty Side Air Distribution  
Airtight Penetrations  
Remotely Programmable Controls with Modem

### ELECTRICAL

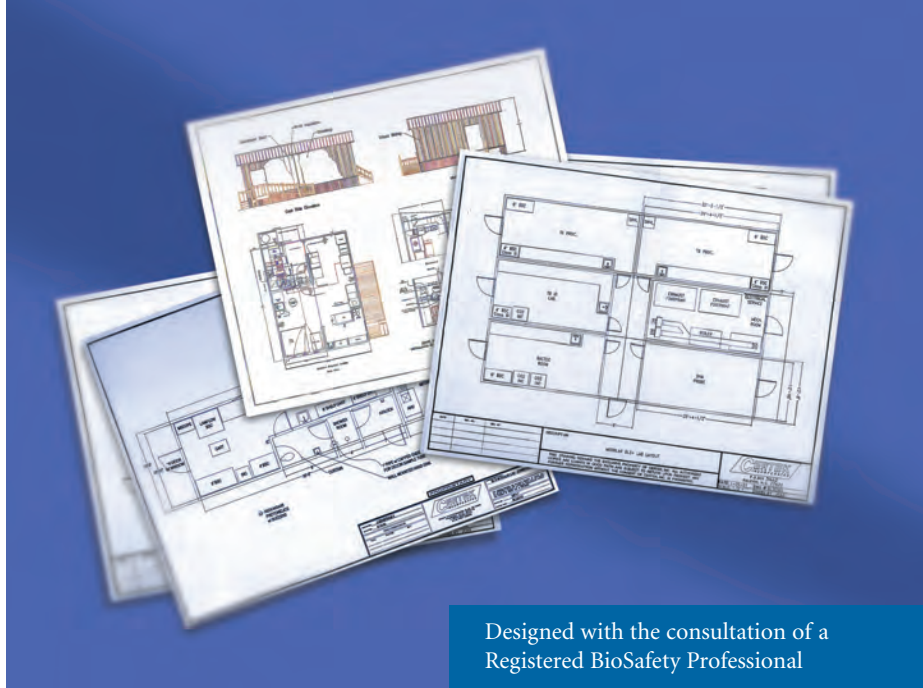
Duplex Receptacles No More Than 4' Apart  
Separate Circuit for BSC's and Other Critical Equipment  
Telephone Outlets in Lab and Airlock  
Data Outlets as Required  
Airtight Penetrations  
Lighting - 100 Foot Candles, 30" A.F.F.

### PLUMBING

All Traps to be Minimum 6"  
Tepid Water to Emergency Shower and Eye Washes  
CO<sub>2</sub> Piped to Incubators, Other Gases as Required  
Water Heater for Hand Washing and Tepid Water  
Penetrations to be Airtight  
Hand Wash Sinks in Lab and Airlock

### EQUIPMENT - INTERNAL (OPTIONAL)

Distilled Water Piping - PVDF/PVC  
6' BSC, Class II, Type A/B3 [Exhausted (thimble) or Recirc]  
4' BSC, Class II, Type A/B3 [Exhausted (thimble) or Recirc]  
4' Glove box, Class III (Dual HEPA Exhaust)  
Ultra-Low Temperature Freezer  
Stackable CO<sub>2</sub> Incubators  
Refrigerator  
Mouse Cage Rack/Isolator  
Cage Dump Isolator



Designed with the consultation of a  
Registered BioSafety Professional

### EQUIPMENT - INTERNAL (STANDARD)

20" x 20" x 38" Double Door Autoclave w/Exhaust Filter

### EQUIPMENT - SUPPORT

Air Handler, 1200-2300 CFM, HEPA (99.99%) Filtered Supply  
Condensing Unit, Dual Compressors, Tonnage as Required  
Exhaust System, Redundant, 1400-2500 CFM  
Lab Pressure (-.08 to -.10" w.g.)  
Isolation Dampers, Manually Operated, Supply and 2 Exhausts  
Automatic, Built-in Decontamination System (optional)

### EQUIPMENT - CONTROL

Maintain Constant Supply CFM  
Variable Speed Blowers to Maintain Negative Pressure  
Pressure and Temperature Recorded Hourly  
Four Stages of Negative Pressure Control, With Alarms, to  
Ensure the Laboratory Does Not Become Positive Pressure

### DESIGN, CONSTRUCTION, DELIVERY AND SET-UP REQUIREMENTS

Modular Laboratories are delivered fully equipped and tested. Purchaser (owner) must assume responsibility to ensure that all required services, electrical, communications, natural gas, water and sanitary sewage be routed to a specified location area for final connection by sub-contractors. Set-up services may be arranged through Certek upon request. Each laboratory is designed with the consultation of a registered Biological Safety Professional. The mechanical, electrical and structural systems are designed by registered Professional Engineers.





**MODULAR LABORATORIES  
CUSTOM DESIGNED & BUILT.  
DELIVERED IN 4 TO 6 MONTHS  
UPON DESIGN DRAWING APPROVAL.**



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