

# MOBILE MOLECULAR TESTING LABORATORY (MMTL)



Bioterrorism. Biological warfare agents. Natural disasters. Rapid and effective response to suspect biological agents is critical. Mount an integrated, efficient and sustained response with the new Mobile Molecular Testing Laboratory (MMTL™)\*. A self-contained and fully functional mobile lab with BSL-2 and BSL-3 zones, the MMTL can be deployed quickly and easily to a wide range of locations. Conduct continuous sample collection and analysis, and make rapid, appropriate medical decisions for affected populations.

Respond effectively with legendary quality and advanced technology. Take immediate action with the MMTL.



# MOUNT AN EFFECTIVE, SUSTAINED RESPONSE TO BIO-AGENTS

Pierce Manufacturing, Inc., the leading manufacturer of fire and emergency apparatus, along with Vital Probes, Inc. designed and built the MMTL in response to the demand for a safe, reliable work environment for first responders. This revolutionary vehicle fills a critical gap in military force protection, rapid diagnostics, epidemiology and preventive medicine.



BSL-2

## MMTL Vehicle Specifications

- DIMENSIONS:** 468" length, 96" width, 140" height
- CAB/BODY:** Pierce heavy-duty emergency services all aluminum cab and body
- INTERIOR HEADROOM:** 84"
- CHASSIS MODEL/TYPE:** Pierce custom Lance®
- ENGINE:** Detroit Diesel Series 60 (515 hp)
- TRANSMISSION:** Allison 4000 EVS P
- GENERATOR:** 20,000 watt self-contained diesel generator power plant
- STABILIZERS:** Automatically operated vehicle stabilization and leveling system
- SUSPENSION:** Air ride rear suspension and TAK-4™ Independent Front Suspension
- ELECTRICAL SYSTEM:** Pierce Command Zone™ advanced electronics and control system
- SAFETY SYSTEM:** Side Roll Protection™ system

## INTERIOR SPECIFICATIONS AND FEATURES

### BSL-2 (245" length, 91" width, 84" height)

- HEPA filtration system
- Stainless steel countertops and walls
- Command-control area
- BSL-3 negative pressure monitor
- PCR Enclosure cabinet
- Biosafety cabinet
- Autoclave
- Analytical balance
- Internet and telecommunication connections
- Power outlets
- Master power controls
- HVAC climate control
- Eye wash station
- Incinoleet incinerating toilet
- Thermocycler
- Refrigeration units
- Centrifuge
- Imaging station
- Sink

### BSL-3 (82" length, 91" width, 84" height)

- Negative pressure chamber with HEPA filtration system
- Stainless steel countertops and walls
- Biosafety cabinet
- Bacterial and tissue culture incubators
- Thermocycler
- Refrigeration unit
- Decontamination shower
- Negative pressure sensor
- HVAC climate control
- Autoclave
- Centrifuge
- Microscope
- Sink



BSL-3

The need for emergency response with mobile molecular laboratories continues to rise. The MMTL is a critical component to improving rapid detection of suspect biological agents and responding effectively.

[www.vitalprobes.com](http://www.vitalprobes.com)

Vital Probes, Inc. • 1300 Old Plank Road, Mayfield, PA 18433 • (570) 281-2580

[www.piercehomelandsecurity.com](http://www.piercehomelandsecurity.com)

Pierce Manufacturing Inc., An Oshkosh Truck Corporation Company • P.O. Box 2017, Appleton, WI 54912-2017 USA • (920) 832-3231

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values. © Pierce Manufacturing Inc., © Registered trademark of Pierce Manufacturing Inc., Appleton, WI USA Printed in USA



MMTL exterior