

MOBILE CBRN LABORATORY

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Mobile CBRN Laboratory is designed for detection and identification of Chemical Warfare Agents (CWA's), Toxic Industrial Chemicals (TIC's), Biological detection and analysis, and Radiological / Nuclear detection.

Laboratory is an integration of a truck and container, which is fixed to the vehicle. Container is made of insulating material and divided in three compartments: engine room, entering room and laboratory room. The laboratory is air-conditioned and pressurized.

In the laboratory are installed instruments for detection presence of chemical, biological, radiological agents and a meteorological station. Data is processed on computer and displayed on the screens.

Filtration and overpressure system protects against CBRN agents. Positive pressure assures clean air in the laboratory as well as the negative pressure in glove box assures clean and safe working environment.

Crew consists of three people: CBRN detection operator, chemical and biological analyst. CBRN instruments are well selected according to high quality and tradition. System enables measuring of radiation inside and outside the vehicle, presence of Biological Agents, presence of Chemical Warfare Agents (CWA) inside and outside the vehicle.



Chemical analysis with Mobile Mass Spectrometer, air-surface probe, gas chromatograph and surface sampler provides identification capability from any medium (soil, water, air). Biological detection enables automatic start of air sampling for further PCR analysis inside glove box.

CBRN Mobile Lab represents a laboratory with a capability for fast on-site diagnostics and provides safe, fast and accurate working process. It combines functionality, efficient use of space and flexibility. In the case of attack with weapons for mass destruction, a

rapid and effective response with correct identification of the CBRN agents is extremely important.

The CBRN mobile laboratory can be further customized to fit specific needs and demands of the customer.

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