

# MOBILE LABORATORY FOR COVID-19 TESTING AND FAST POPULATION SCREENING

Rapid identification of new coronavirus cases and isolation of the patients are key to curbing the pandemic. Modular and mobile laboratories, where people can be tested for COVID-19 infection on the spot, provide significant aid in rapid population screening. These mobile laboratories are capable of processing up to 1000 samples per day.

## MAIN BENEFITS OF THE MOBILE LABORATORY:

**Independent** of urban infrastructure

**Movable:** can be installed in almost any terrain

**Capacity** of 1000 samples per day that can be expanded by additional modular units

**Easy sterilization** of external and internal surfaces

**Safety:** the risk of infection is minimal due to the inactivated viruses



## ARCHITECTURE OF THE LABORATORY:

- **1 sample processing unit (Isolation lab)**, an air conditioned CN10 container
- **1 sample analyzing unit (PCR unit)**, an air conditioned CN10 container
- **plumbing unit**
- running water, sewage disposal and a single-phase network supply is necessary for the operation of the mobile laboratory

## STAFF:

- Professionals with experience in a **BSL-2** level laboratory
- We can provide training for the staff

## CAPACITY:

The maximum capacity of a mobile laboratory is 1000 samples per day if the following conditions are met:

- a sampling staff of 4 and a professional staff of 5 people (4 people for sample processing and 5 professionals for analyzing the samples)
- 0-24 hour shifts

