

# DRIVE-UP TEST BOOTH FOR SAFER COVID-19 TESTING

## A low-cost, easy-to-use outdoor shelter for healthcare workers to conduct safer COVID-19 drive-up or walk-up testing

This work sought to design and construct a simple, easy-to-use outdoor shelter for healthcare workers providing walk-up testing for COVID-19. This system is a hybrid modeled after similar structures in use in Boston, MA and South Korea. It was developed as part of the COVID-19 Health Care Worker Protection Project in April 2020.



### TECHNICAL BENEFITS

- Sealed chamber with positive pressure and attached arm sleeves
- Rugged enclosure is designed to be easily cleaned between patients
- Materials used are resistant to ammonia, chlorine, iso-propyl alcohol, and ethanol
- Reduces the amount of personal protective equipment (PPE) required while providing sufficient protection

### SPECIFICATIONS

- Final dimensions: 52" x 100"
- Material cost: \$3,206.87
- Build time: 8 hours

Instruction manual available  
at [ip.sandia.gov](http://ip.sandia.gov)

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