

## ONSITE COVID TESTING LAB

# SUPPORTED RETURN-TO-WORK PLANS

A multidisciplinary team worked together to design, build, and field LLNL's *Capability for the Return of the Offsite Workforce Now* (CROWN) lab, which supported the health and safety of LLNL's workforce during the COVID-19 pandemic.

The team established a State-licensed clinical lab from scratch, which provided streamlined onsite COVID-19 diagnostic testing for the LLNL workforce. The CROWN lab enabled timely worker notification of test results and associated workplace safety decisions by reporting same-day results for more than 95% of samples. The team:

- Validated and deployed a reverse transcription polymerase chain reaction (RT-PCR) assay to accommodate dynamic testing needs at LLNL.
- Analyzed more than 9,000 specimens between December 2020 and August 2022.
- Reported daily results electronically to LLNL's Health Services Department and to the California Department of Public Health.
- Achieved certification by the Clinical Laboratory Improvement Amendments (CLIA) and accreditation by the College of American Pathologists.

Ensuring mission delivery during the COVID pandemic.



Launched in December 2020, LLNL's end-to-end onsite COVID-19 testing process was developed, piloted, and fielded to ensure easy access to onsite sample collection appointments, rapid analysis of specimens, timely notification of results, and data tracking that supported LLNL's workplace safety decisions—enabling LLNL to continue meeting mission needs during a global pandemic.