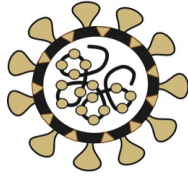




Department of Immunology & Microbiology

Colorado Coronavirus Laboratory



Goal: to facilitate SARS-CoV-2 (COVID-19) research in the AMC community by providing reagents and services for experiments that require the use of a BSL3 laboratory

Research Capacities

- **General Cell infection Assays**
 - Susceptible cell lines available
 - Can include investigator cell types of interest
- Assess viral replication and transcription via **RT-qPCR, focus formation assay, and plaque assay**
- **Antiviral Testing**
- **Infectivity Assays**
- Measure SARS-CoV-2 RBD- and N-specific antibody responses by **ELISA**
- **Focus Reduction Neutralization Assays** to measure Ab-mediated neutralization of virus infection
- Letters of support for grant applications; experimental design consults

Advanced BSL3 Capabilities

- **Cell Sorting:** NanoCollect WOLF cell sorter (2-way bulk sorting)
- **scRNAseq:** 10X Genomics Chromium Controller
- **Cytokine arrays:** MesoScale Diagnostics QuickPlex SQ

For questions, contact:

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