

MICROBIOLOGY

Bacteriology, Virology, BioSafety Testing

Combining general microbiology with modern molecular-based methodologies, CBI offers a very unique complement of services for the isolation and identification of bacterial and viral agents. CBI can support biopharmaceutical and diagnostic programs from discovery to market. CDC and USDA accredited, select agents BSL-3 facilities. GLP and CLIA compliance.

General Microbiology

- ◆ Small and large scale production of aerobic and anaerobic microorganisms
- ◆ Purification of cellular components
- ◆ Gram stain and API strip identification
- ◆ MIC studies

Molecular-Based Detection

- ◆ Real-time PCR identification methods and custom assay development
- ◆ Bacterial identification with 16s ribosomal sequencing

Biosafety

- ◆ Detection, identification, and quantitation of biopharmaceutical cell banks, raw materials and process validation
- ◆ GLP-lot release testing of Vaccines and rDNA products
- ◆ In vitro assays
 - Adventitious agents and Mycoplasma
 - Toxins and endotoxins
 - Residual DNA/protein
 - PERT assay for retrovirus enzymes
 - Sterility testing
- ◆ Human virus detection in blood-derived products
 - HIV, HTLV, HBV, EBV, CMV, HCV, Adenovirus
 - PCR-based detection, ELISA, PERT

BSL-3 Facility

- ◆ Separate BSL-3 facilities for bacterial and viral organisms
- ◆ CDC and USDA license
- ◆ Registered to work with select agents and toxins
- ◆ All work performed under GLP and CLIA

Biodefense: Detection of Pathogens Including Select Agents

- ◆ Testing of suspect samples or environmental monitoring
- ◆ Compliant with CDC, APMI, and the Laboratory Response Network
- ◆ Analysis of powders
- ◆ Norwalk Virus Testing
- ◆ Anthrax Testing