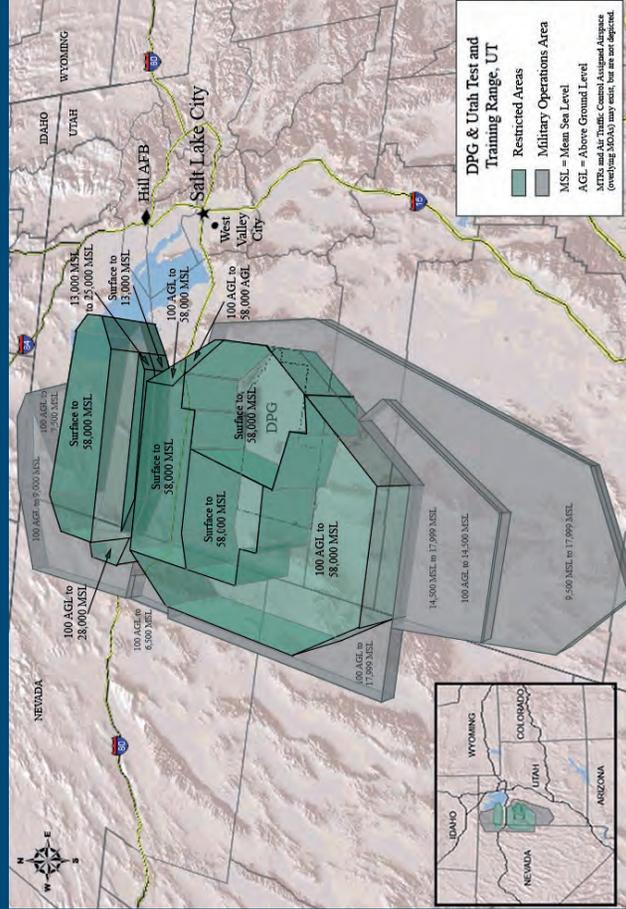


Dugway Life Sciences

- *Biological Surety compliant, CDC-registered test facility*
- *Agent-to-simulant correlated testing & evaluation*
- *Traditional & emerging bio-threat replication*
- *Production & standardization of biological test materials*
- *Simulant development for large scale & device-specific testing*
- *Custodian of the Antigen Repository for Critical Reagents Program – ISO 17025/ISO 034 accredited*
- *Scenario-based bio training*



DUGWAY PROVING GROUND

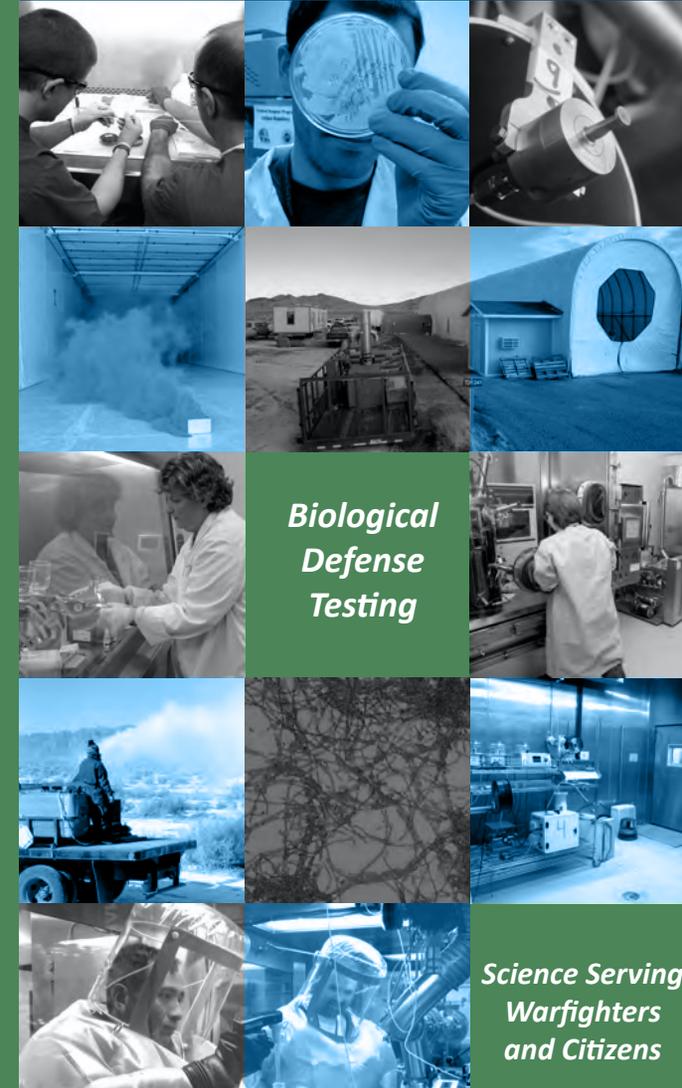
ATEC

www.dugway.army.mil

U.S. ARMY

Dugway Proving Ground

Life Sciences Division



Science Serving Warfighters and Citizens

Advanced Bio Testing

Full-spectrum bio testing from bench top to chamber to field

Bio test material production & certification:

- Agents or simulants
- Wet or dry (including milling)
- Live or dead (agent-like organisms)

Bio-aerosol generation:

- Near-monodispersal & threat relevant
- High-precision particle sizing
- Predictible/controlled concentration

Whole System Live Agent Testing

- 115-m³ BSL-3 aerosolization chamber

BSL-2 & 3 water treatment/filter/water quality testing

Biomolecular & genotype diagnostic surveillance

Life Sciences Facilities

400-km² field test range for developmental/operational testing

Containment Aerosol Chamber:

- DoD's only approved T&E facility for large-scale aerosolization of select bio agents & toxins
- Detector testing with aerosolized live agent up to BSL-3

Aerosol Simulant Exposure Chamber:

- 73-m³ chamber for aerosolization of simulant and killed agent-like organisms
- Customized particle sizing and concentration

Joint Ambient Breeze Tunnel:

- 170-m structure for point & standoff detector testing

Fermentation facility and post-production drying/milling lab

Decontamination & WMD Training

Decontamination Capabilities:

- Large scale & item specific:
 - » Vaporized Hydrogen Peroxide
 - » Chemical
 - » Physical
- Standardized validation protocols

WMD Training:

- Hands-on training facilities with state of the art containment labs, clandestine labs, simulant chamber & working DoD facilities
- Course topics include:
 - » Basic microbiology, aseptic technique & sampling
 - » Analytical techniques (field/lab)
 - » Bio-agent production methods/signature recognition
 - » Aerosol generation & sampling

Accreditation/Compliance

- Biological Personnel Reliability Program compliant
- Lab compliant to DA, CDC, and USDA

Contact:



Public Affairs (general inquiries): 435-831-2116

West Desert Test Center (inquiries regarding all Dugway testing & training): 435-831-5382

Life Sciences Division (bio): 435-831-5173