

Technical Exhibit – List of Available Equipment to Support STENS Contractor

In support of Task 3 of the STENS SOW “Design and Execute Applied Scientific Activities to Enable Biocontainment Facility Decontamination”, the following is a list of equipment currently available at PIADC for use by the STENS Contractor.

- Environmental chamber to evaluate effects of temperature and humidity on pathogen viability
- Ionized Hydrogen Peroxide Generator
- Paraformaldehyde Fumigation Generating Equipment
- Chlorine Dioxide Generator
- Bio-contained space (including different finishes/materials) in which technologies may be evaluated for efficacy, while relevant parameters (humidity, ambient temperature, duration, air changes, etc.) may be controlled.
- Sample surfaces of varying representative types for use as part of disinfectant validation.
- A dedicated BSL-2 mobile decontamination laboratory to facilitate collection and manipulation of validation technologies (e.g., samples, BI’s, chemical indicators, etc.). This mobile laboratory is outfitted with the equipment listed below. A schematic of the mobile lab is also provided below in Figure 1 of this Technical Exhibit.
 - 3 incubators (BINDER Model #9010-0326)
 - 3 Bio-Safety Cabinets (NUARE Model #NU-540)
 - 1 Autoclave (YAMATO Model #SQ810C)
 - 1 Refrigerator & Freezer (FRIGIDAIRE Model #FFHT1835V)
 - 2 sinks with eyewash stations (1 in BSL-2 space; 1 in Entry Office space)
 - Undercabinet Air Compressor
 - 5 worktables in BSL-2 lab space; 3 worktables in Entry Office space
 - 2 DHS Computer workstations (1 in BSL-2 space; 1 in Entry Office space)

NOTE: As identified in the SOW, the responder should identify any additional equipment needed as envisioned for planned scientific activities, which DHS should provide to the contractor as Government Furnished Equipment.

The floor plan is divided into three main sections with the following dimensions and features:

- MEP ROOM (8' x 8'):** Located on the left, containing an ATS, PANEL K2, UPS, EXHAUST ASSEMBLY, CO₂ STORAGE W/ SWITCHOVER, and FRESH WATER STORAGE HOUSING ASSEMBLY.
- BSL-2 LAB (31.5' x 8'):** The central laboratory area, 8' wide. It contains:
 - Top wall: INCUBATOR BINDER STACKED 9010-030, FRODOARE PHT140RV, INCUBATOR REVER 9010-030S, 3" WALL MOUNTED SHELF, CO₂ PORT, 4" SSC NUMRE NU-240, 3" WALL MOUNTED SHELF, 3" WALL MOUNTED SHELF, 72"W x 30"D x 30"H TABLE, 48"W x 30"D x 30"H TABLE.
 - Bottom wall: 72"W x 30"D x 30"H TABLE, 3" WALL MOUNTED SHELF, 3" WALL MOUNTED SHELF, 4" SSC NUMRE NU-540, CO₂ PORT, 72"W x 30"D x 30"H TABLE, GLOBE COMPRESSOR, CO₂ PORT, 3" WALL MOUNTED SHELF, 3" WALL MOUNTED SHELF, 4" SSC NUMRE NU-540, AUTOCLAVE YAMATO 90410C, WASTE ACCUMULATION, SINK W/ EYEWASH & DISPENSERS, SINK W/ EYEWASH & DISPENSERS, 24" x 24" TABLE, and TESTING CHAMBER.
- ENTRY OFFICE (10' x 8'):** Located on the right, containing 24" x 24" TABLE, 24" x 24" TABLE, 24" x 24" TABLE, DATA RACK, 24" x 24" TABLE, MIXING PLENUM, and HVAC UNIT.