

Case study

National Institute for Biological Standards and Control (NIBSC)

Containment Level 3 (CL3)



The details

Our role:

Design and Build as
Principle Main Contractor

Scope:

Multidiscipline,
M&E and construction

Facility type:

CL3 containment facility

Floor area:

34m²

Contract value:

£300k

Programme:

3 months

The National Institute for Biological Standards and Control (NIBSC) identified that an existing Virology Containment Level 2 Laboratory was to be made into a fully compliant Containment Level 3 Laboratory where works to undertake experiments with Organisms and Pathogens. The Laboratory was required to be engineered as an environment to ACDP standards. The existing Laboratory was stripped back to bare walls and rebuilt so it gave an air tight seal. The facility itself consisted of an Inner and Outer Lobby with the Containment Level 3 Laboratory housing two Class two Microbiological Safety Cabinets.

Each cabinet is connected to its own extract fan controlled directly from the cabinet. The supply and extraction ductwork dampers were integrated with the Fumigation Control System which closes the supply to the room during the fumigation. Upon the completion of the works, commissioning and re-balance was undertaken, as well as a complete room integrity test.

