

SITE HEAD

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PORTON DOWN, U.K.

Key Features

Our partner, UK Health Security Agency (UKHSA), located in Porton Down, develops assays for infectious disease projects, including vaccines, in both preclinical and clinical settings. The expertise of the scientific staff at this location includes infectious disease, vaccines, and immunotherapies.

Key Abilities

- Development and validation of biological assays including functional, neutralization, and cell-based assays
- Development and validation of novel assays including host cell protein detection and enzymatic activity assessment
- Development and validation of assays to evaluate cellular and memory immune responses in both clinical and nonclinical samples
- Worldwide provisioning of specialty serology services including tetanus, diphtheria, Hib, and pertussis (PT, Fim2+3, FHA, and Pertactin) all in compliance with GCLP
- R&D activities in infectious diseases for rare and exotic pathogens and those identified as potential bioterrorism agents
- Animal model (mouse, guinea pig, ferret, rabbit, and NHP) expertise for studies of pathogenesis, transmission, immunogenicity, efficacy, and potency
- International collaboration including academia, industry, charities, and governments

Laboratories

- 2,300 m² (25,000 square foot) state-of-the-art laboratories with expansion project supported by 29M GBP from the U.K. Government
- 102 BSL-2 laboratories
- 68 BSL-3 laboratories
- **Two** BSL-4 laboratories which support both in vivo and in vitro activities
- A Named Veterinary Surgeon (NVS), two registered Veterinary Pathologists, and several Named Animal Care Welfare Officers

Notable Certifications: GLP

LAB EQUIPMENT AND TECHNIQUES

The Porton Down location has expertise in vaccine technologies. Available animal models of disease:

- Influenza
- Tuberculosis
- Ebola
- Lassa
- Crimean-Congo hemorrhagic fever
- Monkeypox
- Anthrax
- Chikungunya
- Middle East respiratory syndrome
- Zika
- C. difficile
- *Burkholderia pseudomallei* (aka *pseudomonas pseudomallei*)
- *Coxiella burnetii*
- And others

ABOUT NEXELIS

With unrivaled expertise in immunology, 5 operating sites in North America and Europe, and a translational offer of services covering the needs of the pharmaceutical industry from the lead selection to the late clinical stage, Nexelis is a leading provider of assay development and advanced laboratory testing services in the infectious, metabolic, and oncologic fields. Our versatile team of scientists, working with state-of-the-art technology platforms, were instrumental in the development, qualification, validation, and large-scale sample testing of assays that supported the FDA filing of almost 100 new molecular entities, including blockbuster vaccines and biologics, anti-viral drugs, immunotherapy, and gene and cell therapy products.

PORTON DOWN, U.K.

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 [Nexelis.com](https://www.nexelis.com)