



FACILITY OVERVIEW

Edinburgh, UK

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Our full-service facility in Edinburgh, UK, supports all stages of drug development, from early-phase candidate screening to comprehensive regulatory development programs. The site also supports testing requirements for agrochemicals, chemicals, and animal health products.

Background

- Founded as Inveresk Research in 1946
- Acquired by Charles River in 2004

Laboratories and Facilities

- GLP and non-GLP studies conducted
- Species: mouse, rat, guinea pig, rabbit, dog, minipig, nonhuman primate
- Approximately 110 animal rooms
- Large animal unit (goats, sheep, pigs, cows and horses)
- 40,000 square meters/430,000 square feet of purpose-built facilities located on a 44-acre site
- Extensive site security
- Laboratories
 - Test item formulation
 - Analytical chemistry
 - Clinical pathology
 - Bioanalysis (small and large molecule, >30 LC-MS/MS systems)
 - Immunochemistry and immunology
 - *In vitro* drug metabolism
 - Dermal absorption
 - Necropsy
 - Histopathology

Staff

- Approximately 1,100 employees
- Over 100 study directors (with degrees including PhD, MSc, DABT and DVM)
- Eleven pathologists, including seven board-certified pathologists

Service Areas/Study Types

- Toxicology
 - Acute, subacute, chronic and carcinogenicity
 - Standard and specialty routes of administration
 - inhalation toxicology
 - infusion toxicology
 - Ocular toxicology
 - Neurotoxicology
 - Developmental and reproductive toxicology
 - Neonatal and juvenile toxicology
 - *In vitro* toxicology
 - Immunotoxicology



EVERY STEP OF THE WAY

Service Areas/Study Types (Continued)

- Safety pharmacology
 - Cardio profiling
 - Telemetry
 - hERG
- Drug metabolism
 - *In vitro* assays
 - Pharmacokinetics
 - ADME/QWBA
- Pathology and support services
 - Histology
 - Histomorphometry
 - Immunohistochemistry
 - Clinical support
- Discovery screening
 - *In vitro* ADMET
 - Pharmacokinetic screening
 - Lead optimization toxicology
 - Biomarkers
 - Respiratory disease models
- Agrochemical, chemical and animal health services
 - Environmental fate
 - Target animal safety
 - Veterinary clinical trials
 - Field trials
 - Plant and environmental metabolism
 - Product chemistry
 - Residue analysis

Compliance, Certifications, Accreditations and Professional Affiliations

Charles River's Edinburgh facility operates in compliance with the requirements of the following regulatory agencies or accredited organizations:

- UK Medicines and Healthcare Products Regulatory Agency (MHRA)
- UK Home Office Animals Scientific Procedures Inspectorate
- Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC International)
- Comité Français d'Accréditation (COFRAC – France)
- Entidad Nacional de Acreditación (ENAC – Spain)
- Ministry of Health (Italy)

In addition, the Edinburgh facility has been inspected by:

- U.S. Food and Drug Administration (FDA)
- Japanese Ministry of Health, Labour and Welfare (JMHLW)

Quality and Process Initiatives

- Lean Six Sigma program
- On-site IT support and backup
- Online data collection and integrated instrumentation
- Excellent regulatory compliance history

Humane Care Imperative

Charles River is a worldwide leader in the humane care of laboratory animals. We work hand-in-hand with the scientific community to understand how living conditions, handling procedures and stress play an important role in the quality and efficiency of research.