

A close-up, dynamic photograph of a jockey riding a brown horse during a race. The jockey is wearing a white helmet with a dark stripe, goggles, and a blue and yellow patterned jersey. The horse is in motion, with its head lowered and its mane flowing. The background is blurred, suggesting a racetrack environment.

Animal Sports Testing, Medication and Doping Control

Using science to protect the future of sport.
LGC play a pivotal role in advancing both animal
welfare and the integrity of animal sport



Introduction

LGC deliver state-of-the-art analytical testing and research programmes to provide animal sports regulators with greater assurance for their medication and doping control programmes. From pioneering science to shaping international thresholds and drug testing policies, we remain at the forefront of the industry – recognised for our expertise in anabolic steroid chemistry, hair analysis, gene doping and other emerging threats.

Why test?

At LGC's Fordham laboratory in Cambridgeshire (UK), we apply industry-accepted and innovative scientific principles to protect the future of sport, supporting the advancement of animal welfare and the integrity of animal sport.

LGC are long-term partners of the Federation Equestre Internationale (FEI), British Horseracing Authority (BHA), Greyhound Board of Great Britain (GBGB), Irish Horseracing Regulatory Board (IHRB), Veterinary Defence Society (VDS), and a range of Sales Houses and Veterinary practices, and we are one of only six laboratories worldwide to be recognised as an International Federation of Horseracing Authorities (IFHA) reference laboratory.

A platinum-level testing service as standard

Our industry leading laboratory features state-of-the-art technology and instruments, enabling us to deploy a wide range of methodologies and services utilising:

- Analysis of blood, urine, hair and a range of bespoke matrices, depending on the need
- A selection of drug screening options, able to detect more >2500 compounds
- Legally defensible confirmatory methods for individual positive findings
- Gas and Liquid Chromatography-Mass Spectrometry (GC and LC-MS)
- High Resolution Accurate Mass (HRAM) detection
- Inductively Coupled Plasma (ICP-MS) and Headspace GC-MS (HS-GC-MS)
- Detection of gene doping by the Polymerase Chain Reaction (PCR) and Next-Generation Sequencing (NGS)
- Dedicated research staff, experienced in developing, validating and applying novel solutions to emerging threats
- Advice on the design and implementation of analytical drug testing programmes

LGC can also provide tamper evident collection kits which are designed to maintain sample integrity and support the chain of custody record.

We are committed to quality and integrity, employing extensive in-house quality assurance programmes and we are ISO/IEC 17025 accredited. We also participate in independent proficiency testing schemes such as those of the Association of Official Racing Chemists (AORC) and the IFHA.

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Why LGC?

We are a global leader in life science tools, partnering with customers to find solutions that diagnose, treat, feed and protect our growing population. Working collaboratively with our partners in the scientific community, our products and services help to solve some of the most complex challenges facing society. LGC, headquartered in the UK, boasts a heritage of over 180 years. The Fordham laboratory has been operational since 1963 and is internationally recognised for its expertise in equine drug surveillance. Today, with a team of more than 100 highly skilled scientists, this laboratory leads the field in equine sports testing, human drug testing and nutritional supplement testing. We employ industry-leading experts who are driving innovation and compliance across all areas. Our work is pivotal in ensuring that integrity, fairness and safety is maintained.

We are proud to combine our scientific expertise with our passion for protecting the welfare of animals and the integrity of sport, which culminate in truly delivering 'Science for a Safer World'.

Get in touch

To discuss your testing requirements, or learn more about pricing and logistics, please contact LGC (Fordham):

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