

Animal Sports Testing, Counter Analysis

LGC's independent counter analysis service helps us play a pivotal role in advancing both animal welfare and the integrity of animal sport





Introduction

Counter analysis (also known as B sample analysis or split sample analysis) of a second, unopened portion of a sample may be required to verify the original prohibited substance finding in the A sample. This is often performed at an independent laboratory, and it is recommended that the laboratory is accredited to the requirements of ISO/IEC 17025.

What we offer

LGC have well established professional relationships with laboratories and regulators worldwide. Our industry-leading laboratory at Fordham, Cambridgeshire (UK), features state-of-the-art technology and instruments, enabling us to deploy a wide range of methodologies to ensure a highly sensitive and highly selective confirmatory approach is taken utilising:

- Gas and Liquid Chromatography-Mass Spectrometry (GC and LC-MS).
- High Resolution Accurate Mass Spectrometry (HRAMS) detection.
- Inductively Coupled Plasma (ICP-MS), Headspace GC-MS (HS-GC-MS) and Ion chromatography (IC).
- Detection of gene doping by Polymerase Chain Reaction (PCR) and Next Generation Sequencing (NGS).

Key features are:

- Analysis of blood, urine, hair and a range of bespoke matrices, depending on the need.
- Legally defensible confirmatory methods for individual positive findings, following Association of Official Racing Chemists (AORC) guidelines and International Laboratory Accreditation Cooperation (ILAC) G7 criteria.
- Extensive experience in counter analyses.
- Dedicated confirmatory analysis team, experienced in developing, validating and applying novel solutions to new findings.
- Named individual scientist supervises and reports the analysis of individual samples.
- Qualitative and quantitative (for substances where there is an agreed regulatory threshold only) analysis.
- Witnessed sample opening or full sample analysis, where requested.
- Full documentation to support the analytical findings is available.
- Expert analytical advice and testimony evidence where necessary.

We are committed to quality and integrity, employing extensive in-house quality assurance programmes and we are ISO/IEC 17025 accredited. Additionally, we are the Federation Equestre Internationale (FEI) Central Laboratory and one of only six laboratories worldwide to be recognised as an International Federation of Horseracing Authorities (IFHA) reference laboratory.

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'.

LGC's ISO/IEC 17025 accredited counter analysis service provides high quality and legally defensible data.

Get in touch

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

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