



Drugs of abuse in urine testing

Confirmatory analysis for drugs of abuse in urine complements the rapidly expanding suite of drug testing services offered by LGC.





Science for a Safer World



Introduction

LGC provides an ISO/IEC 17025:2017 accredited back-to-lab analytical testing service for the confirmation of drugs of abuse in human urine. This high-precision offering provides a comprehensive testing solution, particularly when point-of-care tests (POCT) have been used for screening analysis.

POCTs are commonly preferred for their convenience, accessibility and ease of use for initial screening purposes. Confirmatory testing is crucial to verify any abnormal screening findings and to provide accurate information on drug identity and levels.

This **high-precision** offering provides a comprehensive testing solution.



Why test?



Your workforce is one of your company's most valuable assets. They play a key role in shaping your business's reputation and driving its success. You've invested in their training, and their contributions are essential, making them difficult to replace.

A drug-free workforce is more efficient and high-performing. Implementing a comprehensive drug testing program for your workforce not only boosts your company's reputation with employees and the public but also addresses safety concerns, builds trust and underscores your commitment to being a responsible employer.

As an employer, you have a duty of care to ensure the safety of your workforce and the public they may interact with, which includes preventing impairment caused by drug misuse.

Reliable and effective testing gives you confidence in your employees, allowing you to make informed decisions, and provide appropriate support when and if required.

As an employer, you have a **duty of care** to ensure the safety of your workforce and the public.

Confirmation

POCTs can rapidly indicate the presence or absence of a drug class for screening. However, they are not able to determine which specific drug is present.

At the laboratory confirmation stage, the precise identity of any drug present above its specified threshold is determined. These thresholds are indicative of direct consumption of the drug, providing critical insights for the accurate interpretation of results.

At the confirmation stage, the **precise identity of any drug above the specified threshold** is determined.



COVERAGE

Confirmation testing is available for all the drug-classes that are typically abused. These correlate with the drugs commonly screened using POCTs. They include but are not limited to.

Drug classes include:

- Amphetamines
- Methamphetamine
- Barbiturates
- Cannabis
- Cocaine
- Benzodiazepines
- Z-drugs
- LSD
- Opiates/opioids (e.g. morphine, fentanyl etc)
- Ketamine
- Tramadol
- Gabapentinoids

A platinum-level testing service as standard

In collaboration with Positive Matters, customers receive a comprehensive first-class experience. Positive Matters are an independent provider of workplace drug testing strategies.

Positive Matters work closely with customers to ensure substance misuse strategies are effective, incorporating workforce drug testing programs, education and specialist dependency support for those with issues.

For customers wanting to conduct sample collection in-house, POCT kits are provided for screening and sample return kits for laboratory analysis. Alternatively, a fully collected service is available. A dedicated, intuitive and secure digital collection system will step you through the entire process ensuring that all necessary information is recorded, and that full chain of custody is maintained. The digital system connects directly to LGC's laboratory information management system ensuring your sample is expected and you can quickly and effortlessly monitor each stage of the test process through to publication of the result.

All confirmatory testing is conducted in the UK at our world-class facilities located in Fordham, Cambridgeshire. All methodologies have undergone rigorous validation and are ISO/IEC17025:2017 compliant (accredited by UKAS). By ensuring we meet the highest standards of quality and compliance you can be confident in the accuracy and reliability of every result.

Testing utilises advanced liquid chromatography – mass spectrometry (LC-MS) analysis techniques, ensuring unequivocal identification with 100% accuracy. All data generated is of legally defensible quality and thoroughly reviewed by our team of expert scientists.



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 Cambridgeshire 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. Their work is pivotal in ensuring that integrity, fairness and safety is maintained.

Our Sports and Specialised Analytical Services is the **world's largest independent provider** of drug surveillance.



Other Services



We also offer additional accredited testing services*, including:

- Drugs of abuse in human hair testing, including alcohol (Medical and Legal Analysis, and Workplace Drug Analysis)
- Systematic toxicology analysis (STA) in human blood and urine. Includes new psychoactive substance (NPS) and related substances testing in human blood and urine (Medical and Legal Analysis, and Analysis for Coroner Medical Investigation, and Workplace Drug Analysis)
- Anabolic steroid analysis in human urine (Medical and Legal Analysis, and Analysis for Coroner Medical Investigation, and Workplace Drug Analysis)
- Drugs of abuse in human fingerprints (Medical and Legal Analysis, and Workplace Drug Analysis)

*UKAS laboratory ref: 1187, www.ukas.com





Science for a Safer World



Get in touch

For further information on any testing services,
or to discuss bespoke requirements, please
contact us at **info@lgcgroup.com**,
quoting SSAS in the subject line.

Contact Positive Matters: request@positivematters.co.uk