


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p><b>UKAS</b> TESTING</p> <p>1187</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p><b>LGC Limited</b></p>	
	<p><b>Issue No:</b> 059</p>	<p><b>Issue date:</b> 03 August 2021</p>
	<p><b>Newmarket Road</b> <b>Fordham</b> <b>Ely</b> <b>Cambridgeshire</b> <b>CB7 5WW</b></p>	<p><b>Contact:</b> Rachel Hawkins <b>Tel:</b> +44 (0)1638 720500 <b>Fax:</b> +44 (0)1638 724200 <b>E-Mail:</b> rachel.hawkins@lgcgroup.com <b>Website:</b> www.lgcgroup.com</p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>ANIMAL BODY FLUIDS</p> <p>Equine Urine and Blood (plasma) Canine Urine and Blood (plasma)</p>	<p><u>Chemical and Biochemical Tests as a drug surveillance service for animal sporting authorities</u></p> <p>Selective detection, identification and confirmation of substances prohibited within the International Agreement on Breeding and Racing. Except for the substances and methods (and categories of substances and methods) prohibited at all times, any substance that is capable at any time of causing an action or effect, or both an action and effect, within one or more of the following mammalian body systems (a) the nervous system (b) the cardiovascular system (c) the respiratory system (d) the digestive system (e) the urinary system (f) the reproductive system (g) the musculoskeletal system (h) the blood system (i) the immune system (except for licensed vaccines against infectious agents) (j) the endocrine system. (k) Endocrine secretions and their synthetic counterparts; (l) Masking agents</p>	<p>Documented in-house methods using: Liquid and solid phase extraction, Liquid chromatography (LC) and Gas chromatography (GC) Mass spectrometry (MS), ELISA immunoassay, Dialysis, Spectrometry (single wavelength and diode array colourimetry)</p> <p>Flexible scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific matrices and method codes)</p>



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ANIMAL BODY FLUIDS (cont'd)	<u>Chemical and Biochemical Tests as a drug surveillance service for animal sporting authorities</u> (cont'd)	
Equine Urine	Quantitation of substances affecting blood coagulation and anti-infectious substances Hydrocortisone	Documented In House methods: by LC-MS (SOP 3957)
Equine Urine and Blood (Plasma)	Salicylic Acid	by LC-MS (SOP 3959)
Equine Urine	Confirmation and quantitation of Prednisolone	Liquid extraction followed by LCMS/MS analysis (SOP 4533)
Equine Urine	Testosterone 3-Methoxytryamine Boldenone Estranediol	by GC-MS  Method series codes: SOP 4022 details specific method codes
Equine (Mare/Filly and Gelding) Plasma	Quantitation of Testosterone	Documented in-house method SOP 4486 using LC-MS/MS
Equine Urine	Confirmation and Quantitation of Testosterone	Documented in-house method SOP 3961 using LC-MS/MS (Waters and AB Sciex)
Equine, Canine and other animal species - Blood and Urine	Confirmation of Proteotypic peptides associated with Exogenous Erythropoietin and analogues (including recombinant human preparations such as epoetin, darbepoetin and mircera)	Documented In House methods using selective extraction, digestion and analysis by LC-MS Flexible Scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific matrices and method codes)
Equine Urine and Blood (plasma)	Screening and confirmation of proteotypic peptide sequences derived from exogenous proteins or peptides	Documented In House methods using selective extraction, digestion and analysis by LC-MS Flexible Scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific matrices and method codes)
Equine Blood (plasma)	Screening and confirmation of Total Carbon Dioxide	Documented In House method using ion selective electrode Method series codes as defined in: SOP 4022 (details specific method codes)



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ANIMAL BODY FLUIDS (cont'd)	<u>Chemical and Biochemical Tests as a drug surveillance service for animal sporting authorities</u> (cont'd)	
Equine Urine	Screening and quantitation of cobalt and arsenic	Documented In House methods using ICP-MS SOP 4096
Equine Plasma	Screening and quantitation of cobalt	Documented In House methods using ICP-MS SOP 4300 and SOP 4298
Blood samples for the Veterinary Defence Society and sales/purchase examinations	Screening and confirmation of: Non-steroidal anti-inflammatory drugs Sedatives Corticosteroids Anabolic steroids	Documented in-house methods using: Liquid and solid phase extraction, dialysis Liquid chromatography (LC) and Gas chromatography (GC) Mass spectrometry (MS) UV spectrometry Flexible scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific method codes)
Equine and Canine Hair	Screening and confirmation of: Anabolic steroids Anabolic steroid esters Corticosteroids Basic, acidic and general drugs	Documented in-house methods using: Liquid and solid phase extraction, Liquid chromatography (LC-MS and LC-HR-MS) Gas chromatography (GC-MS) Flexible Scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific method codes)



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HUMAN BODY FLUIDS	<u>Chemical Analysis/Workplace Testing</u>	
Human Urine and Blood (unpreserved)	Screening and confirmation of: Anabolic Steroids, Psychoactive Substances and related compounds	Documented in-house methods using hydrolysis, liquid and solid phase extraction, Liquid chromatography (LC-HR-MS and LC-MS) Gas chromatography (GC-MS) Mass spectrometry (MS) Flexible scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific method codes)
Human Hair	Screening of: Amphetamines Benzodiazepines Cocaine group Opiates Cannabinoids	Documented in-house methods (SOP3862, SOP3863 and SOP3959) using LC-MS/MS
Human Fingerprints	Confirmation of: <ul style="list-style-type: none"> <li>- Amphetamine</li> <li>- Methamphetamine</li> <li>- MDMA (3,4-methylenedioxy-methamphetamine)</li> <li>- MDA (3,4-methylenedioxyamphetamine)</li> <li>- MDEA (3,4-methylenedioxy-N-ethylamphetamine)</li> <li>- THC (tetrahydrocannabinol)</li> <li>- Cocaine</li> <li>- Benzoylcegonine</li> <li>- 6-monoacetylmorphine</li> <li>- Morphine</li> <li>- Codeine</li> <li>- Dihydrocodeine</li> </ul>	Documented in-house methods (SOP4458, SOP4459 and SOP4460) using liquid extraction and LC-MS/MS





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<p><b>HUMAN NUTRITIONAL SUPPLEMENTS</b></p> <p>Human nutritional supplements including Powders, tablets, capsules, gels, drinks/liquids, nutritional bars and herbal preparations.</p>	<p><u>Chemical and Biochemical Tests as a drug surveillance service</u></p> <p>Screening and confirmation of substances prohibited in sport and other pharmacologically active substances including:</p> <p>Anabolic steroids and agents Stimulants Beta-2-agonists Narcotics Beta-blockers Diuretics and other masking Agents</p>	<p>Documented in-house methods using: Liquid and solid phase extraction, Gas chromatography (GC) Liquid chromatography (LC) Mass spectrometry (MS) Flexible scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific matrices and method codes)</p>
<p><b>ANIMAL FOOD AND FEED (products and raw ingredients)</b></p> <p>Compound animal feeds, feed supplements and associated ingredients</p>	<p><u>Chemical and Biochemical Tests as a drug surveillance service</u></p> <p>Screening and confirmation of: Alkaloids including Xanthines and Opiates</p>	<p>Documented in-house methods using: Liquid and solid phase extraction, Liquid chromatography mass spectrometry (LC-MS) Flexible scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific matrices and method codes)</p>
<p><b>END</b></p>		