


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>1187</p> <p>Accredited to ISO/IEC 17025:2017</p>	LGC Limited	
	Issue No: 060	Issue date: 08 November 2021
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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ANIMAL BODY FLUIDS Equine Urine and Blood (plasma) Canine Urine and Blood (plasma)	<u>Chemical and Biochemical Tests as a drug surveillance service for animal sporting authorities</u> 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	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) Flexible scope SOP 4016 Method series codes as defined in: SOP 4022 (details specific matrices and 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	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	by LC-MS (SOP 4533)
Equine Urine	3-Methoxytryamine	by GC-MS (SOP 3954)
Equine Urine	Boldenone	by GC-MS (SOP 3955)
Equine Urine	Estranediol	by GC-MS (SOP 3956)
Equine (Mare/Filly and Gelding) Plasma	Testosterone	by LC-MS (SOP 4486)
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	by Beckman UniCel® DxC 600 (SOP 3969)



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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	by ICP-MS (SOP 4649 and 3965)
Equine Plasma	Screening and quantitation of cobalt	by ICP-MS SOP 3966 and SOP 3968
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 Limit of confirmation (LOC) established for each analyte at confirmation. Details supplied upon customer request.	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) LOC determination documented in SOP 16603
Human Hair	Quantitative analysis for the presence of the following drugs of abuse and relevant metabolites (cut-off limit; calibration range) Amphetamine class: Amphetamine (200 pg/mg; 40-800 pg/mg) Methamphetamine (200 pg/mg; 40-800 pg/mg) MDA (200 pg/mg; 40-800 pg/mg) MDMA (200 pg/mg; 40-800 pg/mg) MDEA (200 pg/mg; 40-800 pg/mg) Benzodiazepine class: Alprazolam (50 pg/mg; 40-800 pg/mg) Bromazepam (50 pg/mg; 40-800 pg/mg) Diazepam (50 pg/mg; 40-800 pg/mg) Flunitrazepam (50 pg/mg; 40-800 pg/mg) Lorazepam (50 pg/mg; 40-800 pg/mg) Nordiazepam (50 pg/mg; 40-800 pg/mg) Oxazepam (50 pg/mg; 40-800 pg/mg)	Documented in-house methods (SOP3862, SOP3863 and SOP3959) using LC-MS/MS



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HUMAN BODY FLUIDS (cont'd)	<u>Chemical Analysis/Workplace Testing (cont'd)</u>	
Human Hair	Quantitative analysis for the presence of the following drugs of abuse and relevant metabolites (cut-off limit; calibration range) Ctd: Cannabis: THC (100 pg/mg; 40-800 pg/mg) Cocaine: Cocaine (500 pg/mg; 40-800 pg/mg) Opiate class: 6-monoacetylmorphine ; 6-MAM (200 pg/mg; 40-800 pg/mg) Morphine (200 pg/mg; 40-800 pg/mg)	Documented in-house methods (SOP3862, SOP3863 and SOP3959) using LC-MS/MS
Human Fingerprints	Confirmation analysis for the presence of the following drugs of abuse and relevant metabolites (cut-offs) Amphetamine class: Amphetamine (20 pg/print) Methamphetamine (20 pg/print) MDA (55 pg/print) MDMA (40 pg/print) MDEA (40 pg/print) Cannabis: THC (20 pg/print) Cocaine: Cocaine (130 pg/print) BZE (45 pg/print) Opiate class: 6-monoacetylmorphine ; 6-MAM (30 pg/print) Codeine (30 pg/print) Dihydrocodeine (30 pg/print) Morphine (30 pg/print)	Documented in-house methods (SOP4458, SOP4459 and SOP4460) using liquid extraction and LC-MS/MS



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HUMAN BODY FLUIDS (cont'd) Human Hair	<u>Chemical Analysis/Workplace Testing (cont'd)</u> Confirmation and quantitative analysis of the following drugs of abuse and relevant metabolites (cut-off limit; calibration range) Amphetamine class: Amphetamine (200 pg/mg; 16-1600 pg/mg) Methamphetamine (200 pg/mg; 16-1600 pg/mg) MDA (200 pg/mg; 16-1600 pg/mg) MDMA (200 pg/mg; 16-1600 pg/mg) MDEA (200 pg/mg; 16-1600 pg/mg) Benzodiazepine class: Alprazolam (50 pg/mg; 16-1600 pg/mg) Bromazepam (50 pg/mg; 16-1600 pg/mg) Diazepam (50 pg/mg; 16-1600 pg/mg) Flunitrazepam (50 pg/mg; 16-1600 pg/mg) Lorazepam (50 pg/mg; 16-1600 pg/mg) Nordiazepam (50 pg/mg; 16-1600 pg/mg) Oxazepam ((50 pg/mg; 16-1600 pg/mg) Cannabis: THC (50 pg/mg; 16-1600 pg/mg) Cocaine: Benzoylecognine;BZE (50 pg/mg; 16-1600 pg/mg) Cocaethylene (50 pg/mg; 16-1600 pg/mg) Cocaine (500 pg/mg; 16-1600 pg/mg) Ecgonine methyl ester;EME (50 pg/mg; 16-1600 pg/mg) Norcocaine (50 pg/mg; 16-1600 pg/mg) Opiate class: 6-monoacetylmorphine ; 6-MAM (200 pg/mg; 16-800 pg/mg) - Morphine (200 pg/mg; 16-800 pg/mg)	Documented in-house methods (SOP3864, SOP3465 and SOP3983) using LC-MS/MS



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HUMAN BODY FLUIDS (cont'd)	<u>Chemical Analysis/Workplace Testing (cont'd)</u>	
Human Head Hair	Confirmation and quantitative analysis of alcohol as ethyl glucuronide (EtG) Cut-offs: 5 pg/mg and 30 pg/mg Calibration range: 2.5-150 pg/mg	Documented in house methods (SOP10739, SOP10741 and SOP10743 (ref 01a, 01b and 01c)) using solid phase extraction followed by UPLC-MS/MS
HUMAN NUTRITIONAL SUPPLEMENTS	<u>Chemical and Biochemical Tests as a drug surveillance service</u>	
Human nutritional supplements including Powders, tablets, capsules, gels, drinks/liquids, nutritional bars and herbal preparations.	Screening and confirmation of substances prohibited in sport and other pharmacologically active substances including: Anabolic steroids and agents Stimulants Beta-2-agonists Narcotics Beta-blockers Diuretics and other masking Agents	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)
ANIMAL FOOD AND FEED (products and raw ingredients)	<u>Chemical and Biochemical Tests as a drug surveillance service</u>	
Compound animal feeds, feed supplements and associated ingredients	Screening and confirmation of: Alkaloids including Xanthines and Opiates	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)
END		