

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>1187</p> <p>Accredited to ISO/IEC 17025:2005</p>	<b>LGC Limited</b> <b>Trading as HFL Sports Science</b>	
	<b>Issue No: 029    Issue date: 26 September 2011</b>	
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<b>Testing performed at the above address only</b>		

### 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)	<p><u>Chemical and Biochemical Tests as a drug surveillance service for animal sporting authorities</u></p> <p>Selective detection and identification of substances prohibited within the International Agreement on Breeding and Racing.</p> <p>Substances acting on the nervous system            cardiovascular system            respiratory system            digestive system            urinary system            reproductive system            musculoskeletal system            blood system            immune system            endocrine system</p> <p>Including:            Antihistamines            Antipyretics, analgesics and anti-inflammatory substances            Cytotoxic substances            Diuretics            Endocrine secretions and their synthetic counterparts            Local anaesthetics            Muscle relaxants            Respiratory stimulants            Sex hormones, anabolic agents and corticosteroids</p>	<p>Documented in-house methods using:            Liquid and solid phase extraction,            Liquid chromatography (LC) and Gas chromatography (GC)            Mass spectrometry (MS),            Nitrogen-phosphorus detection (NPD)            ELISA immunoassay,            Dialysis,            Spectrometry (single wavelength and diode array colourimetry)</p> <p>Method series codes:            SPT0308 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 and Blood (plasma) Canine Urine and Blood (plasma) (cont'd)	Quantitation of substances affecting blood coagulation and anti-infectious substances	Documented In House methods:
	Salicylic Acid in (Equine Urine) Salicylic Acid in (Equine Plasma) Theobromine (Equine Urine)	by LC-UV
	Xanthines (Canine Urine) Hydrocortisone (Equine Urine)	by LC-MS
	Testosterone (Equine Urine) 3-Methoxytryamine (Equine Urine) Boldenone (Equine Urine) Estradiol (Equine Urine)	by GC-MS
		Method series codes: SPT0308 details specific method codes
Equine Blood and Urine	Screening and Confirmation of Recombinant Human Erythropoietin (EPO)	Documented In House methods using Isoelectric focusing on concentrated samples, followed by double western blotting and chemiluminescent visualisation
		Method series codes: SPT0308 details specific method codes
	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
		Method series codes: SPT0308 details specific method codes



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<p>Animal body fluids (cont'd)</p> <p>Equine Blood Canine Blood</p> <p>Testing of blood samples for the Veterinary Defence Society and sales/purchase examinations</p>	<p><u>Chemical and Biochemical Tests as a drug surveillance service for animal sporting authorities</u> (cont'd)</p> <p>Total Carbon Dioxide</p> <p>Screening and confirmation of: Non-steroidal anti-inflammatory drugs Sedatives Corticosteroids Anabolic steroids</p>	<p>Documented In House method using ion selective electrode</p> <p>Method series codes: SPT0308 details specific method codes</p> <p>Documented in-house methods using: Liquid and solid phase extraction, dialysis Liquid chromatography (LC) and Gas chromatography (GC) Mass spectrometry (MS) UV spectrometry</p> <p>Method series codes: SPT0308 details specific matrices and method codes</p>
<p>Nutritional Supplements</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: Drugs of abuse: Anabolic steroids and agents Stimulants Beta-2-agonists</p>	<p>Documented in-house methods using: Liquid and solid phase extraction, Gas chromatography (GC) Liquid chromatography (LC) Mass spectrometry (MS)</p> <p>Method series codes: SPT0308 details specific matrices and method codes</p>



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<p>Feed products and raw ingredients</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, Gas chromatography mass spectrometry (GC -MS)</p> <p>Method series codes: SPT0308 details specific matrices and method codes</p>
	END	