


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS PROFICIENCY TESTING</p> <p>7860</p> <p>Accredited to ISO/IEC 17043:2010</p>	<p>University Hospitals Birmingham NHS Foundation Trust, operating Birmingham Quality</p> <p>Issue No: 003 Issue date: 11 May 2017</p>	
	<p>Birmingham Quality (UK NEQAS) P O Box 3909 Birmingham B15 2UE United Kingdom</p>	<p>Contact: Finlay MacKenzie Tel: +44 (0) 121 414 7300 Fax: +44 (0) 121 414 1179 E-Mail: birminghamquality@uhb.nhs.uk Website: www.birminghamquality.org.uk</p>
<p>Proficiency Tests provided from the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Liquid human serum	<p>Biochemistry schemes</p> <p>UK NEQAS for Clinical Chemistry</p> <p>Sodium Potassium Chloride Urea Glucose Calcium Phosphate Iron Urate Creatinine Bilirubin Total protein Albumin Magnesium Lithium Osmolality Aspartate transaminase (AST) Alanine transaminase (ALT) Lactate dehydrogenase (LD) Creatine kinase (CK) Alkaline phosphatase (ALP) Amylase Gamma-glutamyl transferase (GGT) Adjusted calcium Bicarbonate Copper D-3-hydroxybutyrate Unsaturated Iron Binding Capacity (UIBC) Total Iron Binding Capacity (TIBC) Lipase Zinc Lactate</p>	<p>Protocols available at: www.birminghamquality.org.uk</p>



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Liquid human serum	UK NEQAS for Thyroid Hormones Thyroid stimulating hormone (TSH) Free thyroxine Free tri-iodothyronine Total thyroxine Total tri-iodothyronine	
Liquid human serum	UK NEQAS for Steroid Hormones Cortisol Urinary cortisol 17-hydroxyprogesterone Progesterone Oestradiol Oestradiol (high level) Testosterone (female matrix) Testosterone (male matrix) SHBG Free testosterone Androstenedione DHA sulphate Aldosterone	
Liquid human serum	UK NEQAS for Specific Proteins IgG IgA IgM Complement component C3 Complement component C4 Alpha1-antitrypsin Alpha1-acid glycoprotein Haptoglobin Transferrin Alpha2-macroglobulin Caeruloplasmin Transthyretin Albumin (immunochemical)	



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Liquid human serum	UK NEQAS for Toxicology and Therapeutic Drug Monitoring Salicylate Paracetamol Ethanol Carbamazepine Digoxin Lithium Phenobarbital Phenytoin Theophylline Valproate Primidone Ethosuximide Lamotrigine Caffeine Methotrexate	
Liquid human whole blood and plasma	UK NEQAS for Glycated Haemoglobins HbA1c [IFCC and DCCT] Fructosamine	
Liquid equine blood	UK NEQAS for Lead & Cadmium in Blood Lead Cadmium	
Liquid human urine	UK NEQAS for Urinary Catecholamines & Metabolites Metadrenaline Normetadrenaline 3-methoxytyramine VMA HVA Noradrenaline Adrenaline Dopamine 5HIAA	



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Dried blood spots	<p>UK NEQAS for Newborn Screening</p> <p>Disease states: Congenital hypothyroidism, Phenylketonuria (PKU), Medium-chain acyl-CoA dehydrogenase deficiency (MCADD), Maple syrup urine disease (MSUD) Isovaleric acidaemia (IVA), Glutaric aciduria type 1 (GA1), Homocystinuria [pyridoxine unresponsive] (HCU)</p> <p>Screening analytes and their interpretation for: TSH, IRT, phenylalanine, tyrosine, C8, C10, C8/C10 ratio, C5, C5DC, Leucine and Methionine</p>	
Liquid human serum	<p>UK NEQAS for Paediatric Bilirubin</p> <p>Total bilirubin Conjugated bilirubin Total bilirubin (ward-based)</p>	
Liquid human serum	<p>UK NEQAS for Quantitative Phenylalanine</p> <p>Phenylalanine Tyrosine Leucine Isoleucine Valine</p>	
Liquid human serum	<p>UK NEQAS for Cholinesterase Investigations</p> <p>(butyryl)cholinesterase activity estimation cholinesterase inhibitor studies: dibucaine number fluoride number RO2- 863 number scoline number chloride number phenotype assessment comments on specimen (e.g. need for family studies, contact card)</p>	



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Liquid human serum	UK NEQAS for Lipid Investigations Total cholesterol HDL cholesterol Triglyceride LDL cholesterol Non-HDL cholesterol VLDL cholesterol Apolipoprotein A1 Apolipoprotein B Lp(a) Homocysteine	
Liquid aqueous specimens	UK NEQAS for Sweat Testing Chloride (and its interpretation) Sodium Conductivity (and its interpretation) Specimen assessment (as Negative, Equivocal or Positive)	
Liquid human serum	UK NEQAS for GFR Estimations Creatinine Estimated glomerular filtration rates (eGFRs) Cystatin C	
Liquid human urine	UK NEQAS for Urine Chemistries Albumin Amylase Calcium Chloride Creatinine Glucose Magnesium Phosphate Potassium Total protein Sodium Urate Urea Osmolality Albumin:creatinine ratio Protein:creatinine ratio pH (non-dipstick)	



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Liquid human urine	<p>UK NEQAS for Urine Dipsticks Analytes included in commercial urine dipstick repertoire: Bilirubin Haem blood Ketones Nitrite Protein Urobilinogen Non-haem blood Glucose Leucocytes pH Specific gravity</p>	
Brief case history and/or laboratory results (real or, occasionally, hypothetical)	<p>UK NEQAS for Interpretative Comments in Clinical Chemistry Interpretative comments to laboratory reports in clinical chemistry</p>	
Liquid human serum	<p>UK NEQAS for Thyroglobulin Thyroglobulin Thyroglobulin antibody (numeric and interpretation)</p>	
Liquid human serum	<p>UK NEQAS for Vitamin Assays Vitamin A (retinol) Vitamin E (alpha tocopherol) Beta carotene Total carotenoids Alpha carotene Beta cryptoxanthin Lutein + zeaxanthin Lycopene Zeaxanthin</p>	
Liquid human urine	<p>UK NEQAS for Orotic Acid Orotic acid Creatinine Orotic acid : creatinine ratio Interpretation</p>	



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Human faeces	UK NEQAS for Faecal Markers of Inflammation Calprotectin (quantitative, POCT and interpretation) Lactoferrin (quantitative, POCT and interpretation) S100-A12	
Synthetic faeces	UK NEQAS for Faecal Haemoglobin/FOB Test for Colorectal Cancer Screening Faecal haemoglobin/Occult blood (positive/negative)	
Liquid human serum	Birmingham Quality Health Checks EQA Service Total cholesterol HDL cholesterol Triglyceride LDL cholesterol Non-HDL cholesterol Total:HDL cholesterol ratio Glucose	
Liquid human serum	Birmingham Quality Chemistry POCT EQAS ALT Albumin ALP Amylase AST Calcium Creatinine GGT Glucose Bilirubin Total protein Urea Urate Total cholesterol HDL cholesterol Triglyceride	



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Liquid human serum and whole blood	Haematinics schemes UK NEQAS for Haematinic Assays Vitamin B12 Folate Ferritin Red cell folate Interpretations	Protocols available at: www.birminghamquality.org.uk
Liquid human serum	UK NEQAS for Intrinsic Factor Antibodies Intrinsic factor antibodies Interpretation	
Liquid human serum	UK NEQAS for Erythropoietin Erythropoietin	
Liquid human serum	UK NEQAS for Holotranscobalamin Holotranscobalamin Interpretation Methylmalonic Acid	
END		