

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 9556</p> <p>Accredited to ISO 15189:2022</p>	<h3>University of Birmingham</h3> <p>Issue No: 015 Issue date: 29 April 2026</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u></p> <p><u>Immunochemistry</u></p>	<p>Procedures documented in relevant equipment manuals and in house documented procedures by the following methods</p>
Serum	Detection and quantification of:	<p>Binding Site Optilite-Turbidimetry SOP: Optilite</p>
Serum	Albumin	
Serum	Immunoglobulins (IgG, A, M)	
Serum	IgG subclasses (IgG 1,2,3,4)	
Serum	IgD	
Serum	Beta 2 Microglobulin	
Serum	C1 esterase inhibitor concentration	
Serum	C3c, C4	
Serum	CRP	
Serum	Free Kappa	
Serum	Free Lambda	
Serum	Rheumatoid Factor	
Serum	Total Protein	
Serum/Urine	Identification of monoclonal proteins	



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods
Serum	<u>Immunochemistry</u> (cont'd) Paraprotein identification and quantitation of main protein fractions (albumin, alpha 1, alpha-2, beta-1, beta-2, gamma fractions)	Sebia Capillarys Octa3 SOP: CZE - Electrophoresis Using the Sebia Capillarys 3 SOP CZE DENS - Densitometry Using the Sebia Capillarys 3
Serum	C1 esterase inhibitor concentration	Binding Site radial immunodiffusion SOP : C1 INH
Plasma (Citrate)	C1 esterase inhibitor function	Technochrom C1 inhibitor kit, Pathway Diagnostics. SOP: FC1inh
Serum	<u>Autoimmune Serology:</u>	Quantalyser 160 – Indirect Immunofluorescence. SOP: IMF
Serum	Antinuclear antibodies	
Serum	dsDNA antibodies (crithidia)	
Serum	Neutrophil cytoplasmic antibodies	
Serum	Adrenal/Ovarian/Testicular antibodies	
Serum	Epidermal antibodies	
Serum	Islet cell antibodies	
Serum	Mitochondrial, LKM antibodies, Gastric parietal cells and smooth muscle antibodies	Quantalyser 160 – Indirect Immunofluorescence. SOP: IMF
Serum	Endomysial	Quantalyser 160 – Indirect Immunofluorescence. SOP: IMF
Serum	Phospholipase A2 receptor (PLA2R) antibodies	Immunofluorescence (Sprinter) SOP : Neuro_IMF



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Autoimmune Serology (cont'd):</u>	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods
Serum	Detection of liver antibodies : M2/nPDC, gp210, sp100, LKM1, LC1, SLA , f-actin	Immunoblot (D-Tek). SOP: Blue Diver Blot
Serum	Cardiolipin antibodies (IgG & M)	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: CLP
Serum	B2GP1 antibodies (IgG)	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: B2GP
Serum	Anti-C1q autoantibodies	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: AC1Q
Serum	MAG antibodies	Dynex DSX Immuno Sorbent Assay (ELISA)
Serum	M2 antibodies	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: M2
Serum	Intrinsic factor antibodies	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: IF
Serum, Dried Blood Spot	Anti-Zinc Transporter 8	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: Anti-ZN8 Autoantibody
Serum, Dried Blood Spot	Insulinoma-associated protein 2 (IA-2)	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: Anti-IA2 IgG Autoantibody
Serum, Dried Blood Spot	Insulin Antibodies	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: Anti-Insulin IgG Autoantibody



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u> <u>Autoimmune Serology (cont'd):</u>	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods
Serum	GAD antibodies	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: GAD
Serum, Dried Blood Spot	RSR3 Screen	Dynex DSX Immuno Sorbent Assay (ELISA) SOP: RSR 3 Screen
Serum	Deaminated gliadin peptide (DGP)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Glomerular basement membrane (GBM) antibodies	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	CCP antibodies	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Thyroid microsomal (TPO) abs	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Aspergillus fumigatus (IgG)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Avian -budgerigar, pigeon (IgG)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Micropolyspora faenii (IgG)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Candida albicans (IgG)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP



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HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd)</u>	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods
	<u>Autoimmune Serology (cont'd):</u>	
Serum	Total IgE	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Mast cell tryptase	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	MPO/PR3 IgG antibodies	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	tTG antibodies (IgA)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	dsDNA antibodies	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	ENA screen	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	ENA profile	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Serum	Detection and quantification of specific IgE to the following allergens:	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
	Almond	
	Alternaria alternate	
	Amoxicilloyl	
	Apple	
	Apricot	



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<p>HUMAN BODY FLUIDS (cont'd):</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd):</p> <p><u>Autoimmune Serology:</u> (cont'd)</p> <p>Detection and quantification of specific IgE to the following allergens: (cont'd)</p> <p>Chicken</p> <p>Chilipepper</p> <p>Cladosporium herbarum</p> <p>Coconut</p> <p>Cod</p> <p>Coffee</p> <p>Common wasp (Yellow jacket)</p> <p>Crab</p> <p>Curry (Santa Maria)</p> <p>Dog dander</p> <p>Egg white</p> <p>Egg yolk</p> <p>Gerbil epithelium</p> <p>Grape</p> <p>Grapefruit</p> <p>Green pepper (unripe seed)</p> <p>Guinea pig epithelium</p> <p>Hamster epithelium</p> <p>Hazel nut</p>	<p>Procedures documented in relevant equipment manuals and in house documented procedures by the following methods</p> <p>Immucap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immucap 250-SOP</p>



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<p>HUMAN BODY FLUIDS (cont'd):</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis (cont'd):</u></p> <p><u>Autoimmune Serology: (cont'd)</u></p> <p>Detection and quantification of specific IgE to the following allergens: (cont'd)</p> <p>Honey bee</p> <p>Horse dander</p> <p>House dust mite</p> <p>Kiwi</p> <p>Latex</p> <p>Lemon</p> <p>Lentil</p> <p>Maize, Corn</p> <p>Mango</p> <p>Melon</p> <p>Micropolyspora faenii</p> <p>Milk</p> <p>Mouse serum proteins</p> <p>Mushroom (champignon)</p> <p>Mutton</p> <p>Oat</p> <p>Onion</p> <p>Orange</p> <p>Papaya</p>	<p>Procedures documented in relevant equipment manuals and in house documented procedures by the following methods</p> <p>Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP</p>



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<p>HUMAN BODY FLUIDS (cont'd):</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis (cont'd):</u></p> <p><u>Autoimmune Serology: (cont'd)</u></p> <p>Detection and quantification of specific IgE to the following allergens: (cont'd)</p> <p>Parrot feathers</p> <p>Passion fruit</p> <p>Pea</p> <p>Peach</p> <p>Peanut</p> <p>Pear</p> <p>Pecan nut</p> <p>Penicilloyl G</p> <p>Penicilloyl V</p> <p>Pigeon droppings</p> <p>Pigeon feathers</p> <p>Pigeon serum proteins, feathers and droppings</p> <p>Pine nut</p> <p>Pineapple</p> <p>Pistachio</p> <p>Plum</p> <p>Pork</p> <p>Potato</p>	<p>Procedures documented in relevant equipment manuals and in house documented procedures by the following methods</p> <p>Immucap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immucap 250-SOP</p>



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<p>HUMAN BODY FLUIDS (cont'd):</p> <p>Serum (cont'd)</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd):</p> <p><u>Autoimmune Serology:</u> (cont'd)</p> <p>Detection and quantification of specific IgE to the following allergens: (cont'd)</p> <p>Rabbit epithelium</p> <p>Raspberry</p> <p>Rat epithelium, serum proteins and urine proteins</p> <p>Rice</p> <p>Rye</p> <p>Salmon</p> <p>Sesame seed</p> <p>Shrimp</p> <p>Soybean</p> <p>Spinach</p> <p>Strawberry</p> <p>Timothy grass</p> <p>Tomato</p> <p>Tuna</p> <p>Walnut</p> <p>Wheat</p> <p>Yeast</p>	<p>Procedures documented in relevant equipment manuals and in house documented procedures by the following methods</p> <p>Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP</p>



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<p>HUMAN BODY FLUIDS (cont'd):</p> <p>Serum</p>	<p><u>Immunology examination activities for the purpose of clinical diagnosis (cont'd):</u></p> <p><u>Autoimmune Serology: (cont'd)</u></p> <p>Detection and quantification of specific IgE to allergen components:</p> <p>Alpha-gal Thyroglobulin Bovine</p> <p>nGal d 1 Ovomuroid, Egg</p> <p>nGal d 2 Ovalbumin, Egg</p> <p>rApi m 1 Phospholipase A2, Honey bee</p> <p>rAra h 1 Peanut</p> <p>rAra h 2 Peanut</p> <p>rAra h 3 Peanut</p> <p>rAra h 8 PR-10, Peanut</p> <p>rAra h 9 LTP, Peanut</p> <p>rBet v 1 PR-10, Birch</p> <p>rCor a 1 PR-10, Hazel nut</p> <p>rCor a 8 LTP, Hazel nut</p> <p>rMal d 1 PR-10, Apple</p> <p>rMal d 3 LTP, Apple</p> <p>rPru p 3 LTP, Peach</p> <p>rVes v 1 Phospholipase A1, Common wasp</p> <p>rVes v 5 Common wasp</p>	<p>Procedures documented in relevant equipment manuals and in house documented procedures by the following methods</p> <p>Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP</p>



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HUMAN BODY FLUIDS (cont'd):	<u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd):	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods
Serum (cont'd)	<u>Autoimmune Serology:</u> (cont'd) Detection and quantification of specific IgE to allergen components (cont'd): Mixed trees (Maple, Birch, Oak, Elm, walnut) Mixed weed (Ragweed Mugwort, Oxeye daisy, dandelion, Goldenrod) Mixed nut (Peanut, Hazel nut, Brazil nut, Almond, Coconut) Mixed Seafood (Fish, Shrimp, Blue mussel, Tuna, Salmon) Mixed Cage Birds (Budgerigar, Parrot, Canary, Parakeet, Finch)	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP
Body Fluids	<u>Neuroimmunology</u> Tau protein	In-house electrophoresis and Western blotting. SOP: Tau
Serum, CSF	Autoimmune encephalitis screen: NMDAR, AMPAR1, AMPAR2, GABA B1R, LGI1, CASPR2	Immunofluoresence (Sprinter) SOP: Neuro_IMF
Serum	Confirmation of paraneoplastic antibodies: Hu, Yo, Ri, Ma2, Ma1, CV2, amphiphysin, SOX1, Zic4, GAD65, Tr.	Immunoblot (Ravo). SOP: NEU_PNS14
Serum, CSF	Oligoclonal IgG bands	Isoelectric focusing (IEF) using Serva



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<p>HUMAN BODY FLUIDS (cont'd):</p> <p>Whole Blood EDTA</p> <p>Whole Blood</p> <p>Whole Blood (EDTA) / Bone Marrow/ CSF / Body Fluids / Lymph Node</p>	<p><u>Immunophenotyping examination activities for the purpose of clinical diagnosis and disease monitoring:</u></p> <p><u>Cellular Immunology</u></p> <p>Immunodeficiency phenotyping</p> <p>Immunophenotyping of dual negative CD4/CD8 T cell subsets</p> <p>TBNK enumeration T48 enumeration</p> <p><u>Haemato-oncology immunophenotyping</u></p> <p>Leukaemia/lymphoma type</p>	<p><u>Becton Dickinson FACSCanto II</u> (flow cytometry) with specific reference to: SOP: BD FACS Lyse Wash Assistant SOP: CELLPREP</p> <p>SOP: Immunodeficiency_FC</p> <p>Becton Dickinson FACS Lyric (flow cytometry) with reference to: SOP: TBNK and Lyric TBNK</p> <p>Becton Dickinson FACSCanto II (flow cytometry): SOP: BD FACS Lyse Wash Assistant SOP: CELLPREP SOP: LPD SOP: B-ALL Screen SOP: T-ALL Screen SOP: AL cytoplasmic SOP: Myeloid screen SOP: AML SOP: PML stain SOP: Myeloma Flow SOP: Iron stain SOP: Slide prep and staining SOP: IQC-FC-Clinical SOP: Immunophenotyping clinical reporting</p>



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<p>HUMAN BODY FLUIDS (cont'd):</p> Whole Blood (EDTA)	<p><u>Immunophenotyping examination activities for the purpose of clinical diagnosis and disease monitoring:</u> (cont'd)</p> <p>Haemato-oncology immunophenotyping (cont'd)</p> <p>Paroxysmal nocturnal hemoglobinuria</p>	<p>Becton Dickinson FACSCanto II (flow cytometry): SOP: PNH</p>
END		