

issued by

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



Issue No:011 Issue date: 21 February 2025

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Immunology examination activities for the purpose of clinical diagnosis</u> <u>Immunochemistry</u>	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods
Serum	Detection and quantification of: Albumin Immunoglobulins (IgG,A,M) IgG subclasses (IgG 1,2,3,4) Beta 2 Microglobulin Complement components - C1 Esterase (antigen), C3c, C4 CRP Free Kappa Free Lambda Rheumatoid Factor Total Protein	Binding Site Optilite-Turbidimetry SOP: Optilite
Serum/Urine	Identification of monoclonal proteins:	SEBIA Hydrasys (immunofixation of monoclonal immunoglobulins) SOP: HYSYSufix SOP: HYDRASYS2



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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
Serum	<u>Immunochemistry (cont'd)</u> Paraprotein identification and quantitation of main protein fractions (albumin, alpha 1, alpha-2, beta-1, beta-2, gamma fractions)	Sebia Capillarys 2 Flex SOP: CZE - Electrophoresis Using the Sebia Capillarys 2 SOP CZE DENS - Densitometry Using the Sebia Capillarys 2
Serum	IgD	Binding Site radial immunodiffusion SOP: IgD SOP : SRID
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
Plasma	Viscosity	Bensons Viscometer. SOP: VISC
Serum	<u>Autoimmune Serology:</u> Antinuclear antibodies Centromere antibodies dsDNA antibodies (crithidia) Neutrophil cytoplasmic antibodies Adrenal/Ovarian/Testicular antibodies Epidermal antibodies Islet cell antibodies Mitochondrial antibodies	Quantalyser 160 – Indirect Immunofluorescence. SOP: IMF



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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
Serum	<u>Autoimmune Serology (cont'd):</u> LKM antibodies Gastric parietal cells antibodies Myocardial antibodies Endomysial <u>Neuroantibodies</u> Detection of the following paraneoplastic antibodies: Hu, Yo, Ri, Ma, CV2, amphiphysin, SOX1, Zic4, GAD65 and Tr. MAG antibodies	Quantalyser 160 – Indirect Immunofluorescence. SOP: IMF
Serum	Detection of liver antibodies : M2/nPDC, gp210, sp100, LKM1, LC1, SLA , f-actin	Immunoblot (D-Tek). SOP : Blue Diver Blot
Serum	dsDNA antibodies ENA antibodies screen ENA antibodies type Cardiolipin antibodies (IgG & M) Cardiolipin antibodies (IgG & M) B2GP1 antibodies (IgG)	Dynex DSX Immuno Sorbent Assay (ELISA). SOP: DSX SOP: DNA SOP: ENAS SOP: ENAS SOP: ENAT SOP: CLP SOP: B2GP



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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
	<u>Autoimmune Serology</u> (cont'd):	Dynex DSX Immuno Sorbent Assay (ELISA). SOP: DSX
Serum	Anti-C1q autoantibodies	SOP: AC1Q
	M2 antibodies	SOP: M2
	Intrinsic factor antibodies	SOP: IF
Serum, Dried Blood Spot	Anti-Zinc Transporter 8	SOP: Anti-ZN8 Autoantibody
	Protein Tyrosin Phosphatase	SOP: Anti-IA2 IgG Autoantibody
	Insulin Antibodies	SOP: Anti-Insulin IgG Autoantibody
	RSR3 Screen	SOP: RSR 3 Screen
Serum	DGP	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA.
	GBM antibodies	SOP: Immunocap 250-SOP
	CCP antibodies	
	Thyroid microsomal (TPO) abs	
	Aspergillus fumigatus	
	Avian (budgerigar, pigeon)	
	Micropolyspora faenii	
	Candida albicans	
	Total IgE	
	Mast cell tryptase	
	Detection and quantification of specific IgE to the following allergens:	
	Almond	
	Alternaria alternate	
	Amoxicilloyl	
	Apple	
	Apricot	



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HUMAN BODY FLUIDS (cont'd): Serum (cont'd)	<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>Aspergillus fumigatus</p> <p>Aubergine, eggplant</p> <p>Banana</p> <p>Barley</p> <p>Beef</p> <p>Black pepper</p> <p>Brazil nut</p> <p>Budgerigar feathers</p> <p>Budgerigar serum proteins, feathers and droppings</p> <p>Cacao</p> <p>Canary bird feathers</p> <p>Candida albicans</p> <p>Carrot</p> <p>Cashew nut</p> <p>Cat dander</p> <p>Cheese, cheddar type</p> <p>Cherry</p> <p>Chick pea</p> <p>Chicken</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): Serum (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis (cont'd):</u> <u>Autoimmune Serology: (cont'd)</u> Detection and quantification of specific IgE to the following allergens: (cont'd) Chilipepper Cladosporium herbarum Coconut Cod Coffee Common wasp (Yellow jacket) Crab Curry (Santa Maria) Dog dander Egg white Egg yolk Gerbil epithelium Grape Grapefruit Green pepper (unripe seed) Guinea pig epithelium Hamster epithelium Hazel nut Honey bee	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods 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</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 the following allergens: (cont'd) Horse dander House dust mite Kiwi Latex Lemon Lentil Maize, Corn Mango Melon Micropolyspora faenii Milk Mouse serum proteins Mushroom (champignon) Mutton Oat Onion Orange Papaya Parrot feathers Passion fruit	Immunocap 250 (Fluoro Enzyme) Immuno Assay ELISA. SOP: Immunocap 250-SOP



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



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HUMAN BODY FLUIDS (cont'd): Serum (cont'd)	<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>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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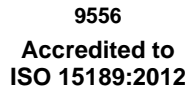
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HUMAN BODY FLUIDS (cont'd): Serum (cont'd)	<p><u>Immunology examination activities for the purpose of clinical diagnosis (cont'd):</u></p> <p><u>Autoimmune Serology: (cont'd)</u></p> <p>Detection and quantification of specific IgE to allergen components:</p> <p>Alpha-gal Thyroglobulin Bovine</p> <p>nGal d 1 Ovomucoid, 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>Mixed trees (Maple, Birch, Oak, Elm, walnut)</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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Assessment Manager: AB8 Page 11 of 13



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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
Serum	<u>Neuroimmunology (cont'd)</u> Detection of cerebellar antibodies: Hu, Yo, Ri, Ma2, Ma1, CV2, amphiphysin, SOX1, Zic4, GAD65, Tr.	Immunoblot (Ravo). SOP : Blue Diver Blot
Serum	Detection of Ganglioside antibodies: (GM1, GM2, GM3, GM4, GD1a, GD1b, GD2, GD3, GT1a, GT1b, sulphatide, GQ1b) <u>Immunophenotyping examination activities for the purpose of clinical diagnosis and disease monitoring:</u>	Immunoblot (Generic Assays). SOP : Blue Diver Blot
	<u>Cellular Immunology</u>	<u>Becton Dickinson FACSCanto II</u> (flow cytometry) with specific reference to: SOP: BD FACS Lyse Wash Assistant SOP: CELLPREP
Whole Blood (EDTA)	Quantification of T, B and NK cell subsets Quantification of dual negative CD4/CD8 T cell subsets	SOP: TBNK SOP: Immunodeficiency_FC



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HUMAN BODY FLUIDS (cont'd):	<u>Immunophenotyping examination activities for the purpose of clinical diagnosis and disease monitoring:</u> (cont'd) <u>Cellular Immunology</u> (cont'd) Haemato-oncology immunophenotyping	Procedures documented in relevant equipment manuals and in house documented procedures by the following methods Becton Dickinson FACSCanto II (flow cytometry) with specific reference to: SOP: BD FACS Lyse Wash Assistant SOP: CELLPREP SOP: Slide prep and staining SOP: IQC-FC-Clinical SOP: Immunophenotyping clinical reporting
Whole Blood (EDTA) / Bone Marrow/ CSF / Body Fluids / Lymph Node	Leukaemia/lymphoma type	SOP: LPD SOP: Acute Leukaemia Screen SOP: B-ALL Screen SOP: T-ALL Screen SOP: AL cytoplasmic SOP: Myeloid screen SOP: AML SOP: PML stain SOP: Myeloma Flow
Whole Blood (EDTA)	Paroxysmal nocturnal hemoglobinuria	SOP: PNH
END		