


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8139</p> <p>Accredited to ISO 15189:2012</p>	<h3>NHS Grampian</h3> <p>Issue No: 011 Issue date: 12 November 2021</p>	
	<p>Immunology Laboratory 2nd floor, Link Building Royal Infirmary Aberdeen AB25 2ZN</p>	<p>Contact: Alison Gall Tel: +44 (0) 1224 552 632 Email: alisongall@nhs.net</p>
<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>HUMAN BODY FLUIDS:</p> <p>Plasma and Serum</p>	<p><u>Immunology examinations for the purpose of clinical diagnosis:</u></p> <p>Allergy Total IgE- Allergen Specific IgE Specific IgG: Aspergillus precipitins Avian Antibody (pigeon fanciers lung) Micropolysporia faeni (farmers lung) Tryptase</p> <p>SPECIFIC IgE ALLERGENS Almond Acarus siro Amoxicillin Anisakis</p> <p>Apple Aspergillus fumigatus Avocado Banana Barley Bee venom Beef Blue mussel Brazil nut Buckwheat Cacao Carrot Cashew Cat epithelium Cheese (cheddar) Chickpea</p>	<p>In-house documented procedures based on equipment manuals as relevant</p> <p>Immunocap-Phadia 250 by fluorescence detection of strength of antibody/antigen reactions SOP: I-AIA-LP-07 SOP: I-AIA-LP-08 SOP: I-AIA-LP-09 SOP: I-AIA-LP-10</p>



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HUMAN BODY FLUIDS (cont'd) Plasma and Serum (cont'd)	<u>Immunology examinations for the purpose of clinical diagnosis (cont'd):</u> Allergy (cont'd) Chicken meat Chilli pepper Chlorohexidine Coconut Cod fish Cow dander Crab Cucumber Curry Dog dander Eurogyphus maynei Egg white Egg yolk Glycyphagus domesticus Garlic Ginger Gluten Green pepper Hazel nut Horse dander House dust mite Isocyanate HDI Isocyanate MDI Isocyanate TDI Kiwifruit Lepidoglyphus destructor Latex Lemon Lentil lupin seed Lysozyme Macademia Maize Mango Melon Milk Morphine Mosquito Mushroom Mustard Mutton Oat Omega-5 gliadin Onion Orange	In-house documented procedures based on equipment manuals as relevant Immunocap-Phadia 250 by fluorescence detection of strength of antibody/antigen reactions SOP: I-AIA-LP-07 SOP: I-AIA-LP-08 SOP: I-AIA-LP-09 SOP: I-AIA-LP-10



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Plasma and Serum (cont'd)</p>	<p><u>Immunology examinations for the purpose of clinical diagnosis (cont'd)</u></p> <p>Allergy (cont'd)</p> <p>Paprika Pea Peach Peanut Pear Pecan Penicillin G Penicillin V Pineapple Pinenut Pistachio Poppy seed Pork Potato Pumpkin seed Rape pollen Rape seed oil Raspberry Red kidney bean Rice Rye Salmon Scallop Sesame seed Sheep Dander Shrimp Soya bean Strawberry Sunflower seed Suxamethonium Tyrophagus putrescentiae Tomat Tuna fish Walnut Wasp venom Wheat Yeast</p>	<p>In-house documented procedures based on equipment manuals as relevant</p> <p>Immunocap-Phadia 250 by fluorescence detection of strength of antibody/antigen reactions</p> <p>SOP: I-AIA-LP-07 SOP: I-AIA-LP-08 SOP: I-AIA-LP-09 SOP: I-AIA-LP-10</p>



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Plasma and Serum (cont'd)</p>	<p><u>Immunology examinations for the purpose of clinical diagnosis (cont'd)</u></p> <p>Allergy (cont'd) Allergen components rAra-h-2 rAra-h-8 rAra-h-9 rCor a 1 PR-10 nCor a 9 rCor a 14</p> <p>Allergen mixes Guinea pig/rabbit/hamster/rat/mouse</p> <p>Goose/chicken/duck/ turkey feathers</p> <p>Budgerigar/canary/parakeet/parrot feathers</p> <p>Grass pollen:Anthoxanthum odoratum/lolium perenne/phleum pratense/Secale cereal/Holcus lanatus</p> <p>Tree pollen: Acer negundo/Betula verrucosa/ Corylus avellana/Quercus alba/Salix caprea</p> <p>Weed pollen: Artemisia vulgaris/Plantago lanceolata/Chenopodium album/ Solidago virgaurea/ urtica dioica</p> <p>Orange/lemon/grapefruit/mandarin</p> <p>Peanut/hazelnut/brazil nut/almond/coconut</p> <p>Pecan/cashew/pistachio/walnut,</p> <p>Egg/white/milk/fish/wheat/peanut/soybean,</p> <p>Wheat/oat/maize/sesame seed/buckwheat,</p> <p>Fish/shrimp/blue mussel/tuna/salmon</p> <p>Kiwi/melon/banana/peach/pineapple</p> <p>Mould: Penicillium chrysogenum/ Cladosporium herbarum/Aspergillus fumigatus/ Alternaria alternate</p>	<p>In-house documented procedures based on equipment manuals as relevant</p> <p>Immunocap-Phadia 250 by fluorescence detection of strength of antibody/antigen reactions SOP: I-AIA-LP-07 SOP: I-AIA-LP-08 SOP: I-AIA-LP-09 SOP: I-AIA-LP-10</p>



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HUMAN BODY FLUIDS AND TISSUES	<u>Immunology examinations for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures based on equipment manuals as relevant
Plasma and Serum (cont'd)	Allergy (cont'd) Autoimmunity Antibodies to;- <ul style="list-style-type: none"> • Cardioplin • CCP • CTD • dsDNA • ENAs <ul style="list-style-type: none"> ○ CenpB ○ Jo-1 ○ La ○ Ro ○ RNP ○ RNP70 ○ Scl-70 ○ Sm • GBM • IgA & IgG Anti-Tissue Transglutaminase (TTG) antibodies • MPO • PR3 • 	Immunocap-Phadia 250 by fluorescence detection of strength of antibody/antigen reactions using ELIA kits I-AIA-LP-16 I-AIA-LP-17 I-AIA-LP-50 I-AIA-LP-57 I-AIA-LP-18 I-AIA-LP-19 I-AIA-LP-39 I-AIA-LP-15 I-AIA-LP-55 I-AIA-LP-60 I-AIA-LP-13 I-AIA-LP-14
Whole Blood	Cellular Immunity Lymphocyte phenotyping;- <ul style="list-style-type: none"> • CD3 • CD4 • CD8 • CD19 • CD56 	Beckman Coulter Navios Flow Cytometry enumeration of cells. SOP I-CEL-IP-07 SOP I-CEL-LP-20
Fine Needle Aspirates Pleural, ascetic or cerebrospinal fluid	Lymphocyte phenotyping	I-CEL-LP-24



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HUMAN BODY FLUIDS	<u>Immunology examinations for the purpose of clinical diagnosis (cont'd)</u>	In-house documented procedures based on equipment manuals as relevant
Whole blood	<ul style="list-style-type: none"> • CD4 	FacsPresto Flow Cytometry enumeration of cells I-CEL-LP-22
Serum	Determination of: Complement <ul style="list-style-type: none"> • C3 • C4 Rheumatoid Factor Anti- Streptolysin O (ASO) Beta 2 Microglobulin C1 inhibitor (quantitative) IgG subclasses (IgG 1-4)	The Binding Site- Optilite Immunoturbometric I-AIA-IP-18 in conjunction with: I-AIA-IP-04 I-AIA-IP-05 I-AIA-IP-01 I-AIA-IP-02 I-AIA-IP-03 I-AIA-IP-06
Plasma and serum	Auto Immune Antibodies to: <ul style="list-style-type: none"> • C1q • GAD • Haemophilus Influenza • Pneumococcal • Tetanus • TSH receptor • Functional C1-inhibitor 	Manual ELISAs read on Tecan Sunrise ELISA reader using optical density I-AIA-LP- 054 I-AIA-LP- 058 I-AIA-LP-040 I-AIA-LP-042 I-AIA-LP-041 I-AIA-LP-038 I-AIA-LP-56
Serum	Measurement of Total Haemolytic Complement and Alternative Pathway Haemolytic Complement	Commercial Radial Immunodiffusion (RID) kits and a RID plate reader and software. SOP I-CEL-11



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<p>HUMAN BODY FLUIDS</p> <p>Plasma and serum</p>	<p>Immunology examinations for the purpose of clinical diagnosis (cont'd)</p> <p>Detection of antibodies to:</p> <ul style="list-style-type: none"> • Adrenal • AMA • ANA • ANCA • Crithidia • Endomysial • GPC • LKM • Reticulin • Skins • SMA 	<p>In-house documented procedures based on equipment manuals as relevant</p> <p>Immunofluorescence using quantalyser staining platform, and microscopic detection of fluorescent patterns. SOP:</p> <p>I-AIA-LP-27 I-AIA-LP-21 I-AIA-LP-22 I-AIA-LP-44 I-AIA-LP-28I-AIA-LP-34 I-AIA-LP-27 I-AIA-LP-59</p>
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