


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8114</p> <p>Accredited to ISO 15189:2012</p>	<h3>Cambridge University Hospitals NHS Foundation Trust</h3> <p>Issue No: 004 Issue date: 04 January 2021</p>	
	<p>Tissue Typing Laboratory (Box 209) Addenbrooke's Hospital Hills Road Cambridge CB2 0QQ</p>	<p>Contact: Mrs. Sarah Peacock Tel: +44 (0)1223 217739 Fax: +44 (0)1223 217740 E-Mail: tissue.typing@addenbrookes.nhs.uk tissue.typing@nhs.net</p> <p>Website: http://www.cuh.org.uk/addenbrookes/services/clinical/pathology/tissue_typing/tissue_typing_index.html</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 AND TISSUES</p> <ul style="list-style-type: none"> - Peripheral blood - Lymph node - Spleen - Buccal swab - Saliva 	<p><u>Histocompatibility & Immunogenetics testing for the purpose of clinical diagnosis.</u></p> <p>HLA typing:</p> <p>HLA class I & class II typing in support of:</p> <ul style="list-style-type: none"> - immunogenetics testing - haematopoietic stem cell transplantation - solid organ transplantation <p>HLA-A, -B, -C, -DRB1, -DRB3,4,5, -DQA1, -DQB1, -DPA1, -DPB1</p>	<p>In-house documented methods for histocompatibility and immunogenetics all supported by SOPs and, where relevant, manufacturer's instructions</p> <p>Documented in-house procedures in conjunction with manufacturer's instructions:</p> <p>DNA extraction:</p> <ul style="list-style-type: none"> - SOP75B - SOP 75C



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<p>HUMAN BODY TISSUE (cont'd)</p> <ul style="list-style-type: none"> - Peripheral blood - Lymph node - Spleen - Buccal swab - Saliva 	<p><u>Histocompatibility & Immunogenetics testing for the purpose of clinical diagnosis (cont'd)</u></p> <p>HLA typing: (cont'd)</p> <p>HLA class I & class II typing in support of:</p> <ul style="list-style-type: none"> - immunogenetics testing - haematopoietic stem cell transplantation - solid organ transplantation <p>HLA-A, -B, -C, -DRB1, -DRB3,4,5, -DQA1, -DQB1, -DPA1, -DPB1</p>	<p>Documented in-house procedures in conjunction with manufacturer's instructions:</p> <p>PCR-SSP low resolution (first field) PCR Thermalcyclers Applied Biosystems SimpliAmp Agarose gel electrophoresis UVITEC Gel Imaging system</p> <ul style="list-style-type: none"> - HLA typing using PCR-SSP with thermal cyclers: SOP 75D, 75E, 75F, 75P, 75Q, 75R, - <p>Real Time PCR intermediate resolution (Linkage Biosciences HLA-A,-B,-C,-DRB1,3,4,5, -DQB1/DQA1,-DPB1/DPA1):</p> <ul style="list-style-type: none"> - HLA typing using Roche Lightcycler 480 - SOP 78B



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<p>HUMAN BODY TISSUE (cont'd)</p> <p>Serum</p> <p>- peripheral blood</p>	<p><u>Histocompatibility & Immunogenetics testing for the purpose of clinical diagnosis (cont'd)</u></p> <p>HLA typing: (cont'd)</p> <p>HLA-specific antibody detection and specification (micro-bead array assay):</p> <ul style="list-style-type: none"> - Pre-transplant HLA-specific alloantibody screening - Post-transplant donor HLA-specific antibody monitoring <p>HLA-A, -B, -C, -DRB1, -DRB3,4,5, -DQA1, -DQB1, -DPA1, -DPB1</p>	<p>Documented in-house procedures in conjunction with manufacturer's instructions:</p> <p>Sequence based typing (Next Generation sequencing) high resolution (two field) ((HLA-A, -B, -C, -DRB1, DRB3,DQA1, -DQB1-DPA1,-DPB1):</p> <ul style="list-style-type: none"> - Next generation sequencing – including use of thermal cyclers: <i>SOP 079</i> <p>Documented in-house procedures in conjunction with manufacturer's instructions:</p> <ul style="list-style-type: none"> - HLA class I and class II antibody detection and specification using Luminex micro-bead array assays; method, analysis and interpretation of results: <i>SOP 74B, 74D, 74F, 74K, 74N</i>



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HUMAN BODY TISSUE (cont'd) Donor lymphocytes - Live/deceased donor peripheral blood/spleen/ lymph node Recipient serum - peripheral blood	<u>Histocompatibility & Immunogenetics testing for the purpose of clinical diagnosis (cont'd)</u> Pre-transplant donor T and B cell lymphocytotoxic crossmatch for solid organ transplant (CDC):	Documented in-house procedures in conjunction with manufacturer's instructions: CDC using fluorescent microscopy. - SOP 68, 70, 71 and 72A
END		