


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>8114</p> <p>Accredited to ISO 15189:2022</p>	<p>Cambridge University Hospitals NHS Foundation Trust</p> <p>Issue No: 008 Issue date: 20 February 2025</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 E-Mail: tissue.typing@nhs.net Website: https://www.cuh.nhs.uk/our-services/tissue-typing/</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>DNA extracted from the sample types above</p> <p>EDTA Blood</p>	<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>HLA-B27 Typing</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: EZ1 system and QIAasymphony</p> <ul style="list-style-type: none"> - <i>TT.SOP075a, TT.SOP075s</i> <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 II <p><i>TT.SOP078b</i></p> <p>Documented in-house procedures in conjunction with manufacturer's instructions:</p> <ul style="list-style-type: none"> - Using RTPCR BAG FastQ Kits, LightCycler 480 II and PlexTyper analysis software



8114
Accredited to
ISO 15189:2022

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Cambridge University Hospitals NHS Foundation Trust

Issue No: 008 Issue date: 20 February 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS and TISSUES (cont'd)</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 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>Next Generation sequencing high resolution (two field) : DNA quantitation: Invitrogen Qubit GenDX NGSgo MX11-3 and Applied Biosystems VeritiPro Thermal cyclers</p> <p>Sequencer Illumina MiSeq with sequencing performed by the SMCL Team via contractual arrangement</p> <ul style="list-style-type: none"> - Next generation sequencing – including use of thermal cyclers: <i>TT.SOP079a</i>, - <i>NGS analysis: TT.SOP079b</i> - <i>Analysis software: NGSEngine</i>
<p>Serum</p> <p>- peripheral blood</p>	<p>HLA-specific Class I and Class II antibody detection and specification</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> <ul style="list-style-type: none"> - Using Luminex micro-bead array assays; method, analysis and interpretation of results: <i>TT.SOP074b</i>, <i>TT.SOP074d</i>, <i>TT.SOP074f</i>, <i>TT.SOP074k</i>, <i>TT.SOP074n</i>
<p>Donor lymphocytes</p> <p>- Live/deceased donor peripheral blood/spleen/ lymph node</p>	<p>Pre-transplant donor T and B cell lymphocytotoxic crossmatch for solid organ transplant (CDC):</p>	<p>Documented in-house procedures in conjunction with manufacturer's instructions: CDC using fluorescent microscopy.</p> <ul style="list-style-type: none"> - <i>TT.SOP068</i>, <i>TT.SOP070</i>, <i>TT.SOP071</i> and <i>TT.SOP072a</i>
<p>Recipient serum</p> <p>- peripheral blood</p>		
END		