


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>8758</p> <p>Accredited to ISO 15189:2022</p>	<p align="center">Oxford University Hospitals NHS Foundation Trust</p> <p align="center">Issue No: 005 Issue date: 06 June 2025</p>	
	<p>Transplant Immunology and Immunogenetics</p> <p>Oxford Transplant Centre</p> <p>Churchill Hospital</p> <p>Old Road</p> <p>Headington</p> <p>Oxford</p> <p>OX3 7LE</p>	<p>Contact: Jeanette Ayers</p> <p>Tel: +44 (0)1866226102</p> <p>Fax: +44 (0)1865857486</p> <p>E-Mail: jeanette.ayers@ouh.nhs.uk</p> <p>Website: www.ouh.nhs.uk</p>
<p align="center">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 TISSUE AND FLUIDS</p> <p>Whole blood, spleen, lymph nodes, cord blood and buccal swabs</p> <p>DNA Extracted from sample types above</p> <p>Blood</p>	<p><u>Histocompatibility and Immunogenetics examination activities for the purpose of clinical diagnosis:</u></p> <p>HLA typing – Class I and Class II:</p> <p>HLA-A</p> <p>HLA-B</p> <p>HLA-C</p> <p>HLA-DPA1</p> <p>HLA-DPB1</p> <p>HLA-DQA1</p> <p>HLA-DQB1</p> <p>HLA-DRB1</p> <p>HLA-DRB3/4/5</p> <p>Thiopurine s-methyltransferase (TPMT) typing</p>	<p>DNA Extraction - Maxwell (RSC)</p> <p>DNA Extraction, in accordance with SOP F44</p> <p>PCR-SSP</p> <p>Using in house developed primer sets and documented in-house procedures: SOP section F in conjunction with manufacturer's instructions using:</p> <p>Hydra-aliquot PCR plates</p> <p>Maxwell Rapid Sample Concentrator Instrument</p> <p>PCR Thermal Cyclers</p> <p>Agarose gel electrophoresis</p> <p>ProteinSimple Imaging System</p> <p>PCR-SSP</p> <p>Using in house developed primer sets and documented in-house procedures: SOP section F and equipment as above</p>



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Histocompatibility and Immunogenetics examination activities for the purpose of clinical diagnosis (cont'd):</u>	
DNA extracted from sample types above	HLA typing – class I and Class II HLA-A HLA-B HLA-C HLA-DRB1 HLA-DRB3/4/5 HLA-DQA1 HLA-DQB1 HLA-DPA1 HLA-DPB1	Real time PCR - QTYPE – CareDx Maxwell Rapid Sample Concentrator Instrument Roche LightCycler 480 instrument Score 6 software
DNA extracted from sample types above	High resolution HLA typing by next generation sequencing at loci: HLA-A HLA-B HLA-C HLA-DRB1 HLA-DRB3/4/5 HLA-DQA1 HLA-DQB1 HLA-DPA1 HLA-DPB1	Illumina iSeq 100 sequencing system Qubit 4 Fluorometer Veriti thermal cycler HLA typing kit (AllType FASTplex NGS 11 Loci Kit), PhiX, Qubit kits and the iSeq Cartridge/Flowcell. G SOPs NGS Workflow and pre-examination processes



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HUMAN TISSUE AND FLUIDS (cont'd)	<u>Histocompatibility and Immunogenetics examination activities for the purpose of clinical diagnosis (cont'd):</u>	
Serum	Antibody Detection and Identification: HLA Class I HLA Class II	Solid Phase – Luminex One Lambda mixed screen assay, PRA Class I and Class II assays, and Single antigen Class I and Class II assays. Using documented in-house procedures: SOP section P in conjunction with manufacturer's instructions using: Luminex machine (XY platform and fluoroanalyser)
Blood		Flow Cytometry Crossmatch Using documented in-house procedures: SOP section H in conjunction with manufacturer's instructions using: Becton Dickinson FACS Canto II
END		