


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>9811</b> Accredited to ISO 15189: 2022	<b>Belfast Health and Social Care Trust</b>	
	<b>Issue No:</b> 005 <b>Issue date:</b> 01 July 2025	
	<b>Regional Histocompatibility &amp; Immunogenetics Laboratory</b> <b>First Floor Northern Ireland Blood Transfusion Building</b> <b>Belfast City Hospital</b> <b>Lisburn Road</b> <b>Belfast</b> <b>BT9 7TS</b> <b>United Kingdom</b>	<b>Contact: Dr Kerry Sweet</b> <b>Tel: +44 (0) 2895043386</b> <b>E-Mail: Kerry.Sweet@belfasttrust.hscni.net</b> <b>Website: <a href="http://www.belfasttrust.hscni.net">http://www.belfasttrust.hscni.net</a></b>
<b>Testing performed by the Organisation at the locations specified below</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Regional Histocompatibility & Immunogenetics Laboratory First Floor Northern Ireland Blood Transfusion Building Belfast City Hospital Lisburn Road Belfast BT9 7TS United Kingdom  <b>Local contact</b> Contact: Dr Kerry Sweet Tel: +44 (0) 2895044529 (44529)	Histocompatibility and Immunogenetics testing for clinical diagnosis	A
<b>Address</b> Genetics Laboratory First Floor Belfast City Hospital Tower Block Belfast City Hospital Lisburn Road Belfast BT9 7TS United Kingdom  <b>Local contact</b> Contact: Louise McArt Tel: +44 (0) 028 909 72400)	HLA Molecular Typing (Next Generation Sequencing)	B



9811  
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

**Belfast Health and Social Care Trust**

**Issue No:** 005    **Issue date:** 01 July 2025

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN TISSUES and BODY FLUIDS	Histocompatibility and Immunogenetics testing for clinical diagnosis	In house documented methods and manufacturer's instructions using:	A
Blood, buffy coat, spleen cells	Extraction and Standardisation of DNA	Promega Maxwell CSC system using Whole Blood DNA Isolation kit. SOP HI-1047 DNA Extraction: Promega Maxwell CSC Instrument	
Blood, buffy coat, spleen cells		QIAamp DSP mini kits SOP HI-220 DNA Extraction: QIAamp DSP DNA Blood Mini Kit	
DNA		Nanodrop 2000C. SOP: HI-232 Assay & Standardization of Chromosomal DNA using the Nanodrop 2000C	



9811  
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

**Belfast Health and Social Care Trust**

**Issue No:** 005    **Issue date:** 01 July 2025

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Genomic DNA extracted from the above sample types	Molecular based determination of HLA type:  HLA-A, -B, -C, -DRB1, -DRB3,4,5, -DQA1, -DQB1, -DPA1 and -DPB1	PCR SSO typing and Luminex Labscan technology, including gel electrophoresis.  Luminex Analyser and HLA Fusion Software  SOPs: HI-215 Luminex HLA Typing Half Volume Beads; HI-227 Luminex HLA typing using full beads HI-223 Agarose Gel Electrophoresis HI-226 LABType HLA Analysis using HLA Fusion Software	A
Genomic DNA extracted from the above sample types	HLA-A, -B, -C, -DRB1, -DRB3,4,5, -DQA1, -DQB1, -DPA1 and -DPB1.	QType PCR using RT-PCR data analysis using Score 6 software, Roche Light Cyclor 480 II colour compensation,  SOPs: HI-879 QTYPE Real Time PCR HI-881 Analysing QType Plates using Score 6 software HI-888 Light Cyclor 480 II Colour Compensation	A
Genomic DNA extracted from the above sample types	HLA-B*27	RT-PCR using FastQ B*27 and Roche Light Cyclor 480 II  SOP: HI-918 HLA-B*27 typing using FastQ B*27 and analysis	A
	HLA-B*57	RT-PCR using LinkSeq  SOP: HI-1015 HLA-B*57:01 Identification using LinkSeq kit	A



9811  
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

**Belfast Health and Social Care Trust**

**Issue No:** 005    **Issue date:** 01 July 2025

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Genomic DNA extracted from the above sample types	Molecular based determination of HLA type:  HLA Molecular Typing (Next Generation Sequencing): (HLA-A, -B, -C, -DRB1, -DRB3,4,5, -DQA1, -DQB1, -DPA1 and -DPB1)	NGS set-up AllType Fastplex NGS 11-loci Flex kit	A
		Illumina MiSeq Instrument  SOP: HI-979 HLA Typing by Next Generation Sequencing using Illumina MiSeq Instrument	B



9811  
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

**Belfast Health and Social Care Trust**

**Issue No: 005     Issue date: 01 July 2025**

**Testing performed by the Organisation at the locations specified**

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Lymphocytes, serum	Serological Testing  Cross-matching for the detection of HLA IgG antibodies to donor T and B lymphocytes	Analysis using three colour immunofluorescence flow cytometry on Becton Dickinson FACSLytic  SOPs: HI-961 3 Colour Flow Crossmatching for living & deceased donors on the BD FACSLytic. HI-1065 Isolation of total lymphocytes from peripheral blood, spleen & lymph node by Ficoll-Paque Plus. HI-212 Pronase Treatment of Peripheral Blood Lymphocytes	A
Lymphocytes, Serum	Cross-matching for the detection of HLA specific antibodies	Complement Dependant Cytotoxicity (CDC) to reduce IgM antibody using DTT, Fluorescent Microscope, Autoscope  SOPs: HI-202 CDC Crossmatching using DTT to Reduce IgM Antibody HI-920 Lymphocyte Isolation from Peripheral Blood & Tissues by Negative Selection	A



9811  
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

**Belfast Health and Social Care Trust**

**Issue No:** 005    **Issue date:** 01 July 2025

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Serum	Serological Testing  HLA Antibody Screening and Detection  HLA antibody screening (HLA class I and/or class II)        HLA specific antibody definition: (HLA-A, -B, Cw, -DR, -DQ, DP)	One Lambda Labscreen Mixed Screening kits, Luminex acquisition and HLA-Fusion analysis  SOPs: HI-347 HLA specific antibody screening and identification using One Lambda LABScreen at half volume  One Lambda Labscreen Single Antigen beads (SAB), Luminex acquisition and HLA-Fusion analysis  SOP: HI-347 HLA specific antibody screening and identification using One Lambda LABScreen at half volume	
END			