


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2012</b>	<b>NHS National Services Scotland</b>	
	Issue No: 006    Issue date: 20 December 2019	
	<b>NHS National Services Scotland - Edinburgh</b> <b>SNBTS Edinburgh Clinical Laboratories</b> <b>Royal Infirmary Edinburgh</b> <b>Little France Crescent</b> <b>EH16 4SA</b>	<b>Contact: Symon Lockhart</b> <b>Tel: +44 (0)1312 427518</b> <b>Email: Symon.lockhart@nhs.net</b>
<b>Testing performed at the above address only</b>		

### Additional site activity performed away from the laboratory:

Location details	Activity
Accident and Emergency RIE	Blood fridge- storage only
Obstetrics Theatre- RIE	Blood fridge- storage only
Main theatre recovery-RIE	Blood fridge- storage only



8633

Accredited to  
ISO 15189:2012

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

**NHS National Services Scotland**

**Issue No: 006 Issue date: 20 December 2019**

Testing performed at the above address only

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>Blood</p>	<p><u>Blood Transfusion testing for the purpose of clinical diagnosis'</u></p> <p>Blood Grouping</p> <ul style="list-style-type: none"> <li>• A ,B</li> <li>• Rh: C, c, D, E, e,</li> <li>• KI</li>   <li>• Rh: C, c, D, E, e, Cw,</li> <li>• K,k</li> <li>• P<sub>1</sub>:</li>   <li>• A ,B</li> <li>• Rh: Cw, c, D, E, e,</li> <li>• K, k, Kp<sup>a</sup>, Kp<sup>b</sup></li> <li>• Kidd: Jk<sup>a</sup>, Jk<sup>b</sup>,</li> <li>• Duffy: Fy<sup>a</sup>, Fy<sup>b</sup>,</li> <li>• Lutheran: Lu<sup>a</sup>, Lu<sup>b</sup></li> <li>• MNS: M, N, S, s,</li> <li>• Lewis: Le<sup>a</sup>, Le<sup>b</sup>,</li> <li>• P<sub>1</sub>:</li> </ul>	<p>Using In house documented procedure and manufacturer's instructions</p> <p>Fully automated BioRad- IH-1000 analyser (Column Agglutination) by Electronic detection of interface SOP NATS CLS 058</p> <p>Manual BioRad cassettes– (Column Agglutination) By visual detection of interface SOP – NATS CLS 038</p> <p>Manual tube techniques- macroscopic examination SOP –NAT CLS 038</p>



8633

Accredited to  
ISO 15189:2012

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

**NHS National Services Scotland**

**Issue No:** 006    **Issue date:** 20 December 2019

Testing performed at the above address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Venous blood –plasma/serum</p> <p>Eluate prepared from patient's blood sample</p>	<p><u>Blood Transfusion testing for the purpose of clinical diagnosis'</u> (cont'd)</p> <p>Antibody Identification</p> <ul style="list-style-type: none"> <li>• AB</li> <li>• Rh: anti-C<sup>w</sup>, anti-C, anti-c, anti-D, anti-E, anti-e,</li> <li>• Kell system: anti-K, anti-k, anti-Kp<sup>a</sup>,</li> <li>• Kidd: anti-Jk<sup>a</sup>, anti-Jk<sup>b</sup>,</li> <li>• Duffy: anti-Fy<sup>a</sup>, anti-Fy<sup>b</sup>,</li> <li>• Lutheran: anti-Lu<sup>a</sup>,</li> <li>• MNS: anti-M, anti-N, anti-S, anti-s,</li> <li>• Lewis: anti-Le<sup>a</sup>, anti-Le<sup>b</sup>,</li> <li>• P<sub>1</sub>: anti-P</li> <li>• Antibodies to rare red cell antigens</li> </ul> <ul style="list-style-type: none"> <li>• Rh: anti-C<sup>w</sup>, anti-C, anti-c, anti-D, anti-E, anti-e,</li> <li>• Kell system: anti-K, anti-k, anti-Kp<sup>a</sup>,</li> <li>• Kidd: anti-Jk<sup>a</sup>, anti-Jk<sup>b</sup>,</li> <li>• Duffy: anti-Fy<sup>a</sup>, anti-Fy<sup>b</sup>,</li> <li>• Lutheran: anti-Lu<sup>a</sup>,</li> <li>• MNS: anti-M, anti-N, anti-S, anti-s</li> <li>• Lewis: anti-Le<sup>a</sup>, anti-Le<sup>b</sup></li> <li>• Anti P1</li> </ul>	<p>Using In house documented procedure and manufacturer's instructions</p> <p>Fully automated BioRad IH1000 (Column Agglutination) by Electronic detection of interface SOP - NATS CLS 058</p> <p>And Manual BioRad cassettes-macroscopic detection of interface SOP – NATS CLS 038</p> <p>And Manual tube techniques-macroscopic examination SOP – NATS CLS 038</p> <p>Manual BioRad cassettes-macroscopic detection of interface SOP – 10 501 032 SOP – NATS CLS 038</p> <p>And Manual tube techniques-macroscopic examination SOP – NATS CLS 038</p>



8633

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### NHS National Services Scotland

Issue No: 006 Issue date: 20 December 2019

Testing performed at the above address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion testing for the purpose of clinical diagnosis'</u> (cont'd)	Using In house documented procedure and manufacturer's instructions
Absorbed Plasma	Antibody Identification <ul style="list-style-type: none"> <li>• Rh: anti-C<sup>w</sup>, anti-C, anti-c, anti-D, anti-E, anti-e,</li> <li>• Kell system: anti-K, anti-k, anti-Kp<sup>a</sup>,</li> <li>• Kidd: anti-Jk<sup>a</sup>, anti-Jk<sup>b</sup>,</li> <li>• Duffy: anti-Fy<sup>a</sup>, anti-Fy<sup>b</sup>,</li> <li>• Lutheran: anti-Lu<sup>a</sup>,</li> <li>• MNS: anti-M, anti-N, anti-S, anti-s,</li> <li>• Lewis: anti-Le<sup>a</sup>, anti-Le<sup>b</sup>,</li> <li>• P<sub>1</sub>: anti-P1</li> </ul>	Allo-absorption of antibodies (SOP – 98 501 011) NAT CLS 038  Manual BioRad cassettes-macroscopic examination SOP – NATS CLS 038  or Manual tube techniques-macroscopic examination SOP – NATS CLS 038
Plasma	Compatibility testing of patients plasma with donor cells	Fully automated BioRad IH1000 (Column Agglutination) by Electronic detection of interface SOP – NATS CLS 058  Manual BioRad cassettes-macroscopic detection of interface SOP – NATS CLS 038
Venous blood	Direct Antiglobulin Test (DAT)	Fully automated BioRad IH1000 (Column Agglutination) by Electronic detection of interface SOP – NATS CLS 058  Manual procedures by tube technology and visual detection. SOP – NATS CLS 038



8633

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### NHS National Services Scotland

Issue No: 006 Issue date: 20 December 2019

Testing performed at the above address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	<u>Histocompatibility and Immunogenetics testing for the purpose of clinical diagnosis</u>	Using In house documented procedure and manufacturer's instructions
Whole Blood	Foetal/maternal bleed estimation	Kleihauer Acid Elution- microscopic detection SOP – 06 454 009
Whole Blood		DNA extraction using QIAGEN EZ-1 automated extractor. SOP-12 462 039
Whole Blood ( DNA)	HLA: HLA class I and II typing (HLA-A,B,C,DR,DQ,DP)	PCR-SSO using Luminex X-Map SOP – 15464012, 15464011, 06463034, 08462033, 12462039
		Using Real Time PCR using Roche Lightcycler 480 and Linkseq HLA typing kits (SOP 17462043)and Linkage SureTyper software for analysis (SOP 17 462 044)
		Standard-SSP (Innotrain) SOP – 05462027, 14462041, 08462033, 12462039
Serum	HLA class I and II antibody screening	LABScreen mixed (One Lambda) using Luminex X-Map SOP – 06463036, 06463034, 06463035
	HLA class I and II antibody identification	LABScreen Single Antigen (One Lambda) using Luminex X-Map SOP – 06463036, 06463034, 06463035
Whole blood	Human Platelet Antigen (HPA)	PCR-SSP Applied Bioscience Veriti™ SOP: NATS CLS H&I 001
	Human Platelet Antigen (HPA) antibody screening	PAK Lx using Luminex platform SOP: NATS CLS 099



8633

Accredited to  
ISO 15189:2012

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

**NHS National Services Scotland**

**Issue No:** 006    **Issue date:** 20 December 2019

**Testing performed at the above address only**

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)  Whole blood	<u>Histocompatibility and Immunogenics testing for the purpose of clinical diagnosis</u> (cont'd)  CD34 enumeration  Flow Cytometry donor-recipient crossmatching	Using In house documented procedure and manufactures instructions  FACS Canto II Flow Cytometer  SOP – 11462036, 09463042, 14461008  SOP – 09463043, 15462042
END		