Schedule of Accreditation

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Accredited to ISO 15189:2022

The Common Services Agency, more commonly known, as Public Services Delivery Scotland

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SNBTS
Patient Services Laboratories
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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address	**Local Contact**		
SNBTS Patient Services Laboratory Gartnavel General Hospital 25 Shelley Road Glasgow G12 0XB	Suzanne Rae Tel: +44 (0) 0141 433 5869 E-Mail: suzanne.rae@nhs.scot	Blood Group Serology Blood Group Phenotyping Anti-c and Anti D quantitation FMH Red Cell Genotyping	A
SNBTS Patient Services Laboratory Raigmore Hospital Old Perth Road Inverness IV2 3UJ	Suzanne Rae Tel: +44 (0) 0141 433 5869 E-Mail: suzanne.rae@nhs.scot	Blood Group Serology Blood Group Phenotyping	B
SNBTS Patient Services Laboratory Royal Infirmary Edinburgh Little France Crescent EH16 4SA	Sarah McCubbin Tel: +44 (0)141 433 5996 Email: sarah.mccubbin@nhs.scot	Blood Group Serology Blood Group Phenotyping HLA antigens/antibodies HPA antigens/antibodies Flow crossmatch CD34 enumeration	C
SNBTS Patient Services Laboratory Aberdeen Royal Infirmary Foresterhill Road Aberdeen AB25 2ZW	Sarah McCubbin Tel: +44 (0) 141 433 5996 Email: sarah.mccubbin@nhs.scot	Blood Group Serology Blood Group Phenotyping	D
SNBTS Patient Services Laboratory Level 8 Ninewells Hospital Dundee DD1 9SY	Joanna Melson Tel: +44 (0) 141 433 5836. Avaya Ext #5836 E-Mai: Joanna.melson3@nhs.scot	Blood Group Serology Blood Group Phenotyping	E

Site activities performed away from the locations listed above:

Location details	Activity
Pharmacy Room Broadford Hospital NHS Highland Broadford, Isle of Skye IV29 9AA	Blood Issue Fridge No testing occurs on this site, blood storage only
Accident & Emergency, ITU/Theatres Raigmore Hospital Old Perth Road Inverness IV2 3UJ	Blood Issue Fridge No testing occurs on this site, blood storage only
Accident and Emergency Royal Infirmary Edinburgh Little France Crescent EH16 4SA	Blood Issue Fridge No testing occurs on this site, blood storage only
Obstetrics Theatre Royal Infirmary Edinburgh Little France Crescent EH16 4SA	Blood Issue Fridge No testing occurs on this site, blood storage only
Main theatre/recovery Royal Infirmary Edinburgh Little France Crescent EH16 4SA	Blood Issue Fridge No testing occurs on this site, blood storage only
Accident and Emergency Aberdeen Royal Infirmary Aberdeen AB25 2ZW	Blood Issue Fridge No testing occurs on this site, blood storage only
G Theatres Aberdeen Royal Infirmary Aberdeen AB25 2ZW	Blood Issue Fridge No testing occurs on this site, blood storage only

Location details	Activity
Emergency Care Centre Aberdeen Royal Infirmary, Aberdeen AB25 2ZW	Blood Issue Fridge No testing occurs on this site, blood storage only
Obstetrics theatre Raigmore Hospital Old Perth Road Inverness IV2 3UJ	Blood Issue Fridge No testing occurs on this site, blood storage only
Stracathro SST-R Fridge Stracathro Hospital Brechin DD9 7QA	Blood Issue Fridge No testing occurs on this site, blood storage only
Royal Aberdeen Children's' Hospital Aberdeen Royal Infirmary, Aberdeen AB25 2ZW	Blood Issue Fridge No testing occurs on this site, blood storage only
Aberdeen Maternity Hospital Aberdeen Royal Infirmary, Aberdeen AB25 2ZW	Blood Issue Fridge No testing occurs on this site, blood storage only
Woodend Hospital Eday Road Aberdeen AB15 6XS	Blood Issue Fridge No testing occurs on this site, blood storage only
BMI Albyn Hospital 21 – 24 Albyn Place Aberdeen AB10 1RW	Blood Issue Fridge No testing occurs on this site, blood storage only
Main Theatres Ninewells Hospital Dundee DD1 9SY	Blood Issue Fridge No testing occurs on this site, blood storage only

Location details	Activity
Accident and Emergency Ninewells Hospital Dundee DD1 9SY	Blood Issue Fridge No testing occurs on this site, blood storage only
Royal Victoria Hospital Jedburgh Road Dundee DD2 1SP	Blood Issue Fridge No testing occurs on this site, blood storage only
Surgical Unit Fridge Stracathro Hospital Brechin DD9 7QA	Blood Issue Fridge No testing occurs on this site, blood storage only
Arbroath Infirmary Rosemount Road Arbroath DD11 2AT	Blood Issue Fridge No testing occurs on this site, blood storage only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Blood Transfusion testing for the purpose of clinical diagnosis'</u> Blood Grouping	In house documented methods using; -	
Whole Blood	• A B O • Rh: • C^w, C, c, D, E, e, • Kell	Fully automated Grifols Erytra and Eflexis analysers (Column Agglutination) by electronic detection of interface SOP NATS CLS 158 NATS CLS 159	A,B,C,D ,E
	• K, k, Kp^a, Kp^b • Kidd: Jk^a, Jk^b, • Duffy: Fy^a, Fy^b, • Lutheran: Lu^a, Lu^b	Manual Grifols (Gel column agglutination) Macroscopic detection of interface Technical manual SOP NATS CLS 038	A,B,C,D ,E
	• MNS: M, N, S, s, • Lewis: Le^a,Le^b, • P_1:	Manual tube techniques-macroscopic examinationTechnical manual NATS CLS 038	A,B,C,D ,E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion testing for the purpose of clinical diagnosis' (cont'd)	In house documented methods using; -	
Whole Blood	Blood Group Genotyping • ABO • CDE • D Weak • Kell, Kidd, Duffy • MNS Rare Antigens	DNA extraction using Qiagen EZ1 Advanced NATS CLS 145 Manual DNA extraction using Fujifilm Quickgene Whole Blood Kits DNA quantification using Nanodrop Lite NATS CLS 149 PCR genotyping using Applied Biosystems Veriti Thermal Cyclers and Inno-Train RBC Fluogene analyser and Fluovista reader. Using Fluogene RBC Kits: ABO Basic CDE Dweak vERYfy Rare NATS CLS 148	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion testing for the purpose of clinical diagnosis' (cont'd)	In house documented methods using; -	
Whole blood	Antibody Identification • AB • Rhesus: anti-C^w, anti-C, anti-c, anti-D, anti-E, anti-e, • Kell system: anti-K, anti-k, anti-Kp^a, • Kidd: anti-Jk^a, anti-Jk^b, • Duffy: anti-Fy^a, anti-Fy^b, • Lutheran: anti-Lu^a, • MNS: anti-M, anti-N, anti-S, anti-s, • Lewis: anti-Le^a, anti-Le^b, • P_1: anti-P	Using 3 cell screen and additional panels Fully automated Grifols Erytra and Eflexis analysers (Column Agglutination) by electronic detection of interface NATS CLS 058	A,B,C,D ,E
		Manual Grifols (Gel column agglutination) Macroscopic detection of interface Technical manual NATS CLS 038	A,B,C,D ,E
		Manual tube technique- macroscopic detection of agglutination Technical manual NATS CLS 038	A,B,C,D ,E
	Antibodies to rare red cell antigens		C

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion testing for the purpose of clinical diagnosis' (cont'd)	In house documented methods using; -	
Eluate prepared from patient's blood sample	Antibody Investigation • Rh: anti-C^w, anti-C, anti-c, anti-D, anti-E, anti-e, • Kell system: anti-K, anti-k, anti-Kp^a, • Kidd: anti-Jk^a, anti-Jk^b, • Duffy: anti-Fy^a, anti-Fy^b, • Lutheran: anti-Lu^a, • MNS: anti-M, anti-N, anti-S, anti-s • Lewis: anti-Le^a, anti-Le^b • Anti P1	Elution of Antibodies NATS CLS 109 Manual Grifols cards macroscopic detection of interface NATS CLS 038 And Manual tube techniques-macroscopic examination NATS CLS 038	A,B,C,D,E A.B.C.D.E
Absorbed Plasma	Antibody Identification • Rh: anti-C^w, anti-C, anti-c, anti-D, anti-E, anti-e, • Kell system: anti-K, anti-k, anti-Kp^a, • Kidd: anti-Jk^a, anti-Jk^b, • Duffy: anti-Fy^a, anti-Fy^b, • Lutheran: anti-Lu^a, • MNS: anti-M, anti-N, anti-S, anti-s, • Lewis: anti-Le^a, anti-Le^b, • P_1: anti-P1	Allo-absorption of antibodies NATS CLS 048 Manual Grifols cards macroscopic examination NATS CLS 038 or Manual tube techniques-macroscopic examination NATS CLS 038	A,B,C,D,E A,B,C,D,E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion testing for the purpose of clinical diagnosis' (cont'd)		
Whole Blood	Compatibility testing of patients' plasma with donor cells	In house documented methods using; -	
		Fully automated Grifols Erytra and Eflexis (Column Agglutination) by electronic detection of interface NATS CLS 158 NATS CLS 159	A,B,C,D ,E
		Manual Grifols cards macroscopic detection of interface NATS CLS 038	A,B,C,D ,E
		Manual procedures by tube technology-red cell agglutination, macroscopic visual detection NATS CLS 038	A,B,C,D ,E
		Electronic Issue NATS CLS 048	
	Direct Anti Human Globulin	Fully automated Grifols Erytra and Eflexis (Column Agglutination) by electronic detection of interface SOP – NATS CLS 158 NATS CLS 159	A,B,C,D ,E
		Manual procedures by tube and card technology and visual detection. NATS CLS 038	A, B, C, D, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion testing for the purpose of clinical diagnosis' (cont'd)		
Plasma	Antibody Quantification (>0.1iu/ml) • Anti D • Anti c	AntiQuant Mark 3Photometric detection of Haemagglutination lysate NATS CLS 136	A
Venous Blood; plasma	Antibody titration • Rh: anti-C^w, anti-C, anti-c, anti-D, anti-E, anti-e, • Kell system: anti-K, anti-k, anti-Kp^a, • Kidd: anti-Jk^a, anti-Jk^b, • Duffy: • anti-Fy^a, anti-Fy^b, • anti-M, anti-N, anti-S, anti-s • anti-Lu^a, anti-Lu^b	Titration techniques by serial dilution of plasma red cell agglutination, macroscopic visual detection NATS CLS 109	B
Venous whole blood	Kleihauer for foetal/maternal bleed estimation	Kleihauer testing by acid elution technique using the Clintech kit Microscopy Key NATS CLS 129	B, C, D and E
Whole Blood	Foetal/maternal bleed estimation	BD FACSLyric Flow Cytometry System Flow cytometry- cell count NATS CLS 143 NATS CLS 144	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Histocompatibility and Immunogenetics testing for the purpose of clinical diagnosis	Using In house documented procedure and manufacturer's instructions	C
Whole Blood, Spleen and Lymph Nodes		DNA extraction using QIAGEN EZ-2 automated extractor. NATS CLS H&I 045 NATS CLS H&I 031	C
Whole Blood, Spleen and Lymph Nodes	HLA: HLA class I and II typing (HLA-A, B, C, DR, DQ, DP)	Real Time PCR using Roche Lightcycler 480 and LinkSeq HLA typing kits, LinkSeq HLA-B27 typing and Linkage SureTyper software for analysis NATS CLS H&I 028 NATS CLS H&I 029 Standard-SSP (Innotrain) SOP – NATS CLS H&I 039 (Innotrain) NATS CLS H&I 046 (Innotrain) NATS CLS H&I 030 (Orerup)	C
Whole Blood, Spleen and Lymph Nodes	Human Leucocyte Antigen (HLA) Typing	AllType FASTplex Next Generation Sequencing on the Illumina MiSeq Sequencing Platform. SOP: NATS CLS H&I 057 NATS CLS H&I 058 NATS CLS H&I 059	C

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Histocompatibility and Immunogenetics testing for the purpose of clinical diagnosis (cont'd)	Using In house documented procedure and manufacturer's instructions	C
Serum	HLA class I and II antibody screening	LABScreen mixed (One Lambda) using Luminex X-Map NATS CLS H&I 009 NATS CLS H&I 004 NATS CLS H&I 005 NATS CLS H&I 012	C
	HLA class I and II antibody identification	Single Antigen Bead Testing using Luminex X-Map NATS CLS H&I 009 NATS CLS H&I 004 NATS CLS H&I 005 NATS CLS H&I 011 NATS CLS H&I 012 NATS CLS H&I 013 NATS CLS H&I 014	C
Whole blood	Human Platelet Antigen (HPA)	PCR-SSP Applied Bioscience Veriti ™ NATS CLS H&I 001 NATS CLS H&I 033 NATS CLS H&I 046	C
	Human Platelet Antigen (HPA) antibody screening	PAK Lx using Luminex platform. NATS CLS H&I 017 NATS CLS H&I 004	C
Extracted DNA	HNA genotyping	PCR-SSP using One Lambda HNA Genotyping kit and Applied Biosystems Veriti thermal cycler NATS CLS H&I 069	C

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	Histocompatibility and Immunogenetics testing for the purpose of clinical diagnosis (cont'd)	Using In house documented procedure and manufacturer's instructions	C
Whole blood	CD34 enumeration	FACS Lyric Flow Cytometer NATS CLS H&I 064 NATS CLS H&I 066	C
	Flow Cytometry donor-recipient crossmatching	SOP – NATS CLS H&I 060 NATS CLS H&I 066	C
END			