


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>9585</b>  Accredited to ISO 15189:2022	<b>Northumbria Healthcare NHS Foundation Trust</b>	
	<b>Issue No:</b> 012 <b>Issue date:</b> 28 March 2025	
	<b>Department of Blood Sciences</b> <b>North Tyneside General Hospital</b> <b>Rake Lane</b> <b>North Shields</b> <b>NE29 8NH</b>	<b>Contact: Jonathan Boxshall</b> <b>Tel: +44 (0)191293 4005</b> <b>E-Mail: <a href="mailto:Jonathan.Boxshall@northumbria-healthcare.nhs.uk">Jonathan.Boxshall@northumbria-healthcare.nhs.uk</a></b> <b>Website: <a href="http://www.northumbria.nhs.uk">www.northumbria.nhs.uk</a></b>
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
<b>Address</b> Department of Blood Sciences North Tyneside General Hospital Rake Lane North Shields NE29 8NH  <b>Local contact</b> Dr R Hardy	Routine Biochemistry Routine Haematology Blood fridges Screening	NTGH A
<b>Address</b> Department of Blood Sciences Northumbria Specialist Emergency care hospital Northumbrian Way Cramlington NE23 6NZ  <b>Local contact</b> Dr R Hardy	Routine Biochemistry Routine Haematology Blood Transfusion Blood fridges	NSECH B
<b>Address</b> Department of Blood Sciences Wansbeck General Hospital Woodhorn Lane Ashington NE63 9JJ  <b>Local contact</b> Dr R Hardy	Routine Biochemistry Toxicology Routine Haematology Blood Fridges	WGH C
<b>Address</b> Department of Blood Sciences Hexham General Hospital Corbridge Road Hexham NE46 1QJ  <b>Local contact</b> Dr R Hardy	FBC Blood fridges	HGH D



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
<b>HUMAN BODY FLUIDS</b>	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
	Quantitative determination of:	Beckman 1 x AU 5822 and 1 x 5812(A), 2 x 5812(B) and 2 x AU 680 (C) :	
Blood, Urine	Sodium	Using Indirect ISE: LP-CCH-OLY-G-004	A, B, C
	Potassium	LP-CCH-OLY-G-004	A, B, C
	Chloride	LP-CCH-OLY-G-004	A, B, C
Blood	Total CO2	Using Enzymatic photometric method: LP-CCH-OLY-G-003	A, B, C
Blood, Urine	Urea	LP-CCH-OLY-G-021	A, B, C
Blood	Paracetamol	LP-CCH-OLY-G-013	B
	Salicylate	LP-CCH-OLY-G-028 (Siemens kit)	B
Serum	Creatinine	LP-CCH-OLY-G-117	A, B, C
Blood, Urine	Creatinine	Using Jaffe Kinetic method: LP-CCH-OLY-N-070	A, B, C
Blood	Total protein	Using Photometric chemical method: LP-CCH-OLY-G-018	A, B, C
CSF, Urine		LP-CCH-OLY-G-022	A, B, C
Blood, Urine	Calcium	LP-CCH-OLY-N-065	A, B, C
Blood	Magnesium	LP-CCH-OLY-G-010	A, B, C
Urine	Magnesium	LP-CCH-OLY-G-010	B
Blood, Urine	Phosphate	LP-CCH-OLY-G-014	A, B, C
Blood	Total Bilirubin	LP-CCH-OLY-G-017	A, B, C
	Direct Bilirubin	LP-CCH-OLY-G-029	B
	Iron	LP-CCH-OLY-G-026	A, B
Blood	Albumin	Using Bromocresol Green Method: LP-CCH-OLY-G-001	A, B, C
Urine	Urine albumin	Using Immunoturbidimetric method: LP-CCH-OLY-G-012	A
Blood	Rheumatoid Factor	LP-CCH-OLY-N-116	A
	Transferrin	LP-CCH-OLY-G-025	A
Faeces	Calprotectin	LP-CCH-OLY-N-117 (Buhlman's Turbo test)	A



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
	Quantitative determination of: (cont'd)	Beckman 1 x AU 5822 and 1 x 5812(A), 2 x 5812(B) and 2 x AU 680 (C):Using Immunoturbidimetric (cont'd)	
Blood	C Reactive Protein	LP-CCH-OLY-G-007	A, B, C
	C3	LP-CCH-OLY-N-066	A
	C4	LP-CCH-OLY-N-066	A
	IgG	LP-CCH-OLY-N-078	A, C
	IgM	LP-CCH-OLY-N-079	A, C
	IgA	LP-CCH-OLY-N-077	A, C
Blood	Alkaline Phosphatase	Using Kinetic enzymatic method: LP-CCH-OLY-N-060	A, B, C
	Alanine Transaminase	LP-CCH-OLY-N-061	A, B, C
	Aspartate Transaminase	LP-CCH-OLY-W-063	A, B
	Gamma Glutamyl transferase	LP-CCH-OLY-G-008	A, B, C
	Lactate Dehydrogenase	LP-CCH-OLY-N-083	B, C
Blood, Urine	Amylase	LP-CCH-OLY-G-002	A, B, C
Blood	Glucose	Using Enzymatic method: LP-CCH-OLY-G-009	A, B, C
CSF	Glucose	LP-CCH-OLY-G-009	B
Blood	Cholesterol	LP-CCH-OLY-G-005	A, B
	Triglyceride	LP-CCH-OLY-G-019	A, B
	HDL Cholesterol	LP-CCH-OLY-G-024	A, B
	Urate	LP-CCH-OLY-G-020	A, B, C
Urine	Urate	LP-CCH-OLY-G-020	A
Blood	Total Creatine Kinase	LP-CCH-OLY-G-006	A, B
Blood	Lactate	LP-CCH-OLY-G-023	A, B, C
CSF	Lactate	LP-CCH-OLY-G-023	B
Blood	Ethylene Glycol	LP-CCH-TOX-W-058	B
Blood	Gentamicin	LP-CCH-OLY-G-119	B
Blood	Bile Acids	Using enzymatic cycling colorimetric method: LP-CCH-OLY-G-114	B



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Blood	Quantitative determination of: (cont'd)	Roche e801 analyser : Using Chemiluminescence Immunoassay method:	
	TSH	LP-CCH-ELE-G-002	A, B
	FT4	LP-CCH-ELE-G-003	A, B
	FT3	LP-CCH-ELE-G-004	A, B
	LH	LP-CCH-ELE-G-007	A
	FSH	LP-CCH-ELE-G-006	A
	Prolactin	LP-CCH-ELE-G-008	B
	Oestradiol	LP-CCH-ELE-N-002	B
	Progesterone	LP-CCH-ELE-N-005	B
	SHBG	LP-CCH-ELE-G-010	B
	Testosterone	LP-CCH-ELE-N-017	B
	Cortisol	LP-CCH-ELE-G-009	B
	HCG	LP-CCH-ELE-G-005	A, B
	Troponin T	LP-CCH-ELE-G-020	B
	AFP	LP-CCH-ELE-G-011	A
	PSA	LP-CCH-ELE-N-012	A
	CEA	LP-CCH-ELE-W-015	A
	CA19-9	LP-CCH-ELE-W-009	A
	CA125	LP-CCH-ELE-W-013	A
	NT ProBNP	LP-CCH-ELE-W-020	B
	IgE	LP-CCH-ELE-N-019	A
	TPO	LP-CCH-ELE-N-016	A
	Vitamin D	LP-CCH-ELE-W-016	A
	PTH	LP-CCH-ELE-W-017	A
	CA15-3	LP-CCH-ELE-W-010	A
	PIGF	LP-CCH-ELE-G-014	B
	SFLT1	LP-CCH-ELE-G-015	B
	Procalcitonin	BHI-ELE-SOP-32	
		Beckman 1 x AU 5822 and 1 x 5812(A), 2 x 5812(B) and 2 x AU 680 (C) : Using Immunoinhibition method:	
Blood	Digoxin	LP-CCH-OLY-N-073	B
Blood	Theophylline	Using Photometric method: LP-CCH-OLY-W-093	B
	Carbamazepime	LP-CCH-OLY-W-066	B
	Phenytoin	LP-CCH-OLY-W-089	B
	Valproate	LP-CCH-OLY-W-105	B



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	A, B, C
Calculated equations	Calculated determination of:		
Blood	AKI eGFR LDL Cholesterol Non-HDL Cholesterol Transferrin saturation Free Androgen Index Free Testosterone Calcium excretion index Total Cholesterol: HDL Globulins Corrected calcium	LP-CCH-GEN-G-062 LP-CCH-OLY-G-117 LP-CCH-OLY-G-005 LP-CCH-OLY-G-024 LP-CCH-OLY-G-025 LP-CCH-ELE-G-013 LP-CCH-ELE-G-013 LP-CCH-OLY-N-065 LP-CCH-OLY-G-024 LP-CCH-OLY-G-018 LP-CCH-OLY-N-065	A, B, C
Urine	Albumin/Creatinine ratio Protein/creatinine ratio	LP-CCH-OLY-G-012 LP-CCH-OLY-G-022	
24hr Urine	Sodium Potassium Chloride Urea Creatinine Calcium Magnesium Phosphate Urate Calcium/creatinine ratio Phosphate creatinine ratio Urate creatinine ratio Magnesium creatinine ratio PIGF/SFLT1 ratio	LP-CCH-OLY-G-004 LP-CCH-OLY-G-004 LP-CCH-OLY-G-004 LP-CCH-OLY-G-021 LP-CCH-OLY-N-070 LP-CCH-OLY-N-065 LP-CCH-OLY-G-010 LP-CCH-OLY-G-014 LP-CCH-OLY-G-020 LP-CCH-OLY-N-065 LP-CCH-OLY-G-014 LP-CCH-OLY-G-020 LP-CCH-OLY-G-010	



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Blood	Sodium Calcium Chloride Potassium	GEM premier 5000 BGA using Potentiometry measurement and Direct ISE:  PP-POC-GEN-G-007	B B B B
Blood	Quantitative determination of:  Macroprolactin	PEG precipitation followed by Roche e801:  LP-CCH-ELE-G-008	B
Blood	Lithium	Beckman 1 x AU 5822 and 1 x 5812(A), 2 x 5812(B) and 2 x AU 680 (C) : Using Chemical photometry method:  LP-CCH-OLY-G-027 (thermo kit)	B
Blood	Ammonia	Using Enzymatic endpoint method:  LP-CCH-OLY-N-063(thermo kit)	B
Blood	HbA1C	TOSOH G11 analyser using Ion Exchange method:  LP-CCH-MIS-G-001	A
CSF	Xanthochromia	Uvikon Spectrophotometer using spectrophotometry:  LP-CCH-MIS-N-023	B



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Sweat	Chloride	Sherwood MK ii 926 Chloride meter using ion measurement (collection and analysis):  LP-CCH-MIS-N-003	A
Blood, Urine	Quantitative determination of:	Advanced micro Osmo 1 (B&C) Osmo Pro (A&B) using freezing point depression:	
Serum	Osmolality	LP-CCH-MIS-G-008	A, B, C
Serum	Abnormal Protein Screen	Capillary Zonal Electrophoresis using Sebia Capillarys 2 LP-CCH-MIS-N-019	C
Serum	Monoclonal Protein Quantification	Capillary Zonal Electrophoresis using Sebia Capillarys 2 LP-CCH-MIS-N-019	C
Serum	Monoclonal Protein Identification (Typing)	Immunosubtraction using Sebia Capillarys 2 LP-CCH-MIS-N-019	C
Serum	Monoclonal Protein Identification (Typing)	Immunofixation using Sebia Hydrasys LP-CCH-MIS-N-002	C
Urine, Blood, Tissue	Screening for Abused prescription drugs Methadone Heroin Markers	Xevo G2 XS TF LC-Q-ToF, Acquity 1 class LC/MS using UNIFI Software LP-CCH-TOX-W-065 LP-CCH-TOX-W-064	C
Blood	Blood Ketones	Statstrip glucose and beta-Ketone strip meter (Nova Biomedical) using Nova Statstrip beta-Ketone test strips. Electrode measurement of beta-Hydroxybutyrate – LP-CCH-GEN-G-079	A, B, C



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Documented in house methods and manufacturers instructions for	
Serum	Abnormalities of serum proteins including detection and quantitation of monoclonal bands	Helena Nexus V8, Protein Electrophoresis BHI-CCH-SOP-58  Immunofixation Using the Helena SAS Vitrésí BHI-CCH-SOP-59  Immunodisplacement (ID) Using the Helena NEXUS V8 BHI-CCH-SOP-60	A
Serum	Detection and identification of monoclonal bands	Immunofixation Using the Helena SAS Vitrésí BHI-CCH-SOP-59  Immunodisplacement (ID) Using the Helena NEXUS V8 BHI-CCH-SOP-60	A
Urine	Detection of:  Alcohol markers (ethyl glucuronide and sulfate) Alprazolam and alpha-hydroxyalprazolam Amitriptyline and nortriptyline Amphetamine and Methamphetamine Buprenorphine, norbuprenorphine, buprenorphine glucuronide and norbuprenorphine glucuronide Cocaine, benzoylecgonine, cocaethylene and levamisole Chlordiazepoxide, demoxepam (and nordiazepam) Chlordiazepoxide, demoxepam (and nordiazepam)	Waters LC-MS/MS with Hamilton MicroStarlab robotic pipetting workstation BHI-TOX-SOP-47	C





9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<p>Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)</p> <p>Diazepam and nordiazepam, temazepam, temazepam glucuronide, oxazepam and oxazepam glucuronide Dihydrocodeine and dihydrocodeine glucuronide Alpha-hydroxyetizolam Fentanyl and norfentanyl LSD and 2-oxo-3-hydroxyLSD (LSD is lysergic acid diethylamide) MDMA, MDA and MDEA Methadone and EDDP Mirtazapine and N-desmethyilmirtazapine Morphine and codeine, morphine-3-glucuronide, morphine-6-glucuronide, codeine glucuronide, norcodeine 6-monoacetylmorphine, acetylcodeine and noscapine. Olanzapine and desmethyloanzapine Oxycodone and noroxycodone Paracetamol Pregabalin and Gabapentin Quetiapine and 7-hydroxyquetiapine Sertraline and Norsertraline THC-COOH (cannabis metabolite) Tramadol and N-desmethyltramadol O-desmethyltramadol Zaleplon Zopiclone and zopiclone-N-oxide</p>	Documented in house methods and manufacturers instructions for	



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS	<u>Haematological examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
Blood	Quantitative determination of FBC to include:  Differential white cell count  Nucleated RBC Reticulocytes Haemoglobin Platelets White cell count MCV RBC MCH MCHC RDW HCT Neutrophils Lymphocytes Monocytes Eosinophils Basophils IRF	Beckman Coulter DXH 900 (ABC) DXH 800 (D) unicell using light scatter, impedance count and colormetric technology: LP-HAE-UEQ-G-021 LP-HAE-UEQ-G-026	A, B, C, D
Blood	Erythrocyte Sedimentation Rate	Alifax analyser using capillary photometry: LP-HAE-UEQ-G-022	A, B
Blood films	Red cell, white cell and platelet morphology and white cell differential	Manual and automated staining using modified Wrights stain and light microscopy: Aerospray LP-HAE-HAE-W-001 and Hematek 3000 LP-HAE-UEQ-G-025  Manual method using Clearview IM II kit- rapid chromatographic immunoassay:	B, C



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS	Haematological examination activities for the purposes of clinical diagnosis:	Documented in house methods and manufacturers instructions for	
Blood	Heterophile antibody	LP-HAE-HAE-G-007	A, B, C
Blood	Serum Vitamin B12 Serum Ferritin Red cell folate Serum folate Intrinsic Factor Antibodies	Beckman Coulter Dxl 800 using competitive binding immunoenzymatic assay LP-HAE-SPL-G-001 LP-HAE-SPL-G-002 LP-HAE-SPL-G-003 LP-HAE-SPL-G-004 LP-HAE-SPL-G-007	A
Blood	Malarial antigens of: <i>Plasmodium falciparum</i> and pan-detection for: <i>Plasmodium falciparum</i> <i>Plasmodium malariae</i> , <i>Plasmodium ovale</i> & <i>Plasmodium vivax</i>	Manual method using Carestart Rapydtests (Pan/Pf) rapid chromatographic immunoassay: LP-HAE-HAE-G-003	A, B, C
Blood	Detection & speciation of malaria parasites:  All plasmodium species known to cause human disease	Preparation of thick and thin films, staining and light microscopy using Giemsa pH7.2/modified Wrights LP-HAE-HAE-G-023	A, B, C
Blood	Anticardiolipin IgG Ab Beta 2 Glycoprotein 1 Ab	Alegria Analyser using photometric immunoassay LP-HAE-UEQ-N-020	A



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS	Haematological examination activities for the purposes of clinical diagnosis:	Documented in house methods and manufacturers instructions for	
Blood	Sickle cells solubility - HbS	Manual method using turbidimetry: LP-HAE-SPL-G-009	A, B
	Haemoglobinopathy testing :	TOSOH G11 using HPLC: Documented In-House Methods to meet the requirements of the SCT Programme handbook as defined in the current version of 'Sickle cell and Thalassaemia screening: laboratory QA evidence requirements' for antenatal screening and newborn screening LP-HAE-SPL-N-006	A
Blood	HbF HbA2 HbS HbA HbC HbD HbE		
Blood	Serum free light chains - Kappa and Lambda Beta 2 Microglobulin Haptoglobin	Optilite analyser using latex enhanced immunoassay : LP-HAE-SPL-N-021  LP-HAE-SPL-N-022 LP-HAE-SPL-N-023	A
Blood	G6PD enzyme	Manual method using Fluorescence enzyme assay of NADPH under fluorescent light LP-HAE-SPL-N-010	A
Bone Marrow	Cellularity M:E ratio and nucleated cell differential Morphology (normal and abnormal) of red cells, white cells and platelet precursors	Automated staining using modified Wrights stain and Iron stain manual stain and light microscopy: Hematek 3000 (A) and Aerospray (C) LP-HAE-HAE-G-031	A, C



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012 Issue date: 28 March 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
HUMAN BODY FLUIDS	Haematological examination activities for the purposes of clinical diagnosis:	Documented in house methods and manufacturers instructions for	
Blood	Routine Coagulation Screen to include:  PT/INR calculated test APTT Fibrinogen D dimer Thrombin time Reptilase time Mixing studies Lupus screen- DRVVT APTT using Actin FS	Stago STA-R- Max2 using clot detection and immunoassay (D Dimer only): LP-HAE-COG-G-018 LP-HAE-COG-G-019 LP-HAE-COG-G-020 LP-HAE-COG-G-021 LP-HAE-COG-G-022 LP-HAE-COG-G-023 LP-HAE-COG-G-024 LP-HAE-COG-S-005 LP-HAE-COG-G-013	A, B, C        B only B only
Blood	Thrombophilia screen to include:  Anti thrombin Protein C Free Protein S DRVVT	Stago STA-R-Max 2 using clot detection, particle immunoassay and chromogenic assay: LP-HAE-COG-S-011	B
Blood	Factor II Factor V Factor VII Factor VIII Factor IX Factor X Factor XI Factor XII Factor xa	Stago STA-R-Max 2 using clot detection and chromogenic assay: LP-HAE-COG-S-009	B
Blood	Rivaroxiban Apixaban Dabigatran	LP-HAE-COG-S-007 LP-HAE-COG-S-008 LP-HAE-COG-S-006	B
Plasma or sodium citrate	Factor V Leiden Prothrombin G20210A mutation	Cepheid Gene Xpert analyser using real time PCR- Xpert Hemosil Kit: LP-HAE-COG-S-004	B



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012    Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Packed red cells	Blood Group by detection and identification of antigens and antibodies:  A D Positive AB D Positive B D Positive O D Positive A D Negative AB D Negative B D Negative O D Negative	Column Technology: Ortho Vision automation. Manual BioVue system Manual tube group LP-HAE-BTR-G-2.02  LP-HAE-BTR-G-2.03 LP-HAE-BTR-G-2.04 LP-HAE-BTR-G-3.09	B
EDTA Whole Blood/plasma	Antibody Screen by detection of antibodies to:  Rh which includes anti-C, D, C, E, c, e, f, C <sup>w</sup> K, k, Kp <sup>a</sup> , Kp <sup>b</sup> , Js <sup>a</sup> , Js <sup>b</sup> Xg <sup>a</sup> Fy <sup>a</sup> , Fy <sup>b</sup> , Jk <sup>a</sup> , Jk <sup>b</sup> Le <sup>a</sup> , Le <sup>b</sup> S, s, M, N P <sub>1</sub> Lu <sup>a</sup> , Lu <sup>b</sup>	As above	B
	Specific Antigens Phenotype Rh and Kell	LP-HAE-BTR-G-2.08 LP-HAE-BTR-G-2.07	B
EDTA Plasma	Compatibility testing of patients plasma with donor cells	Column Technology: Ortho Vision automation. Manual BioVue system: LP-HAE-BTR-G-4.01	B



9585  
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

**Northumbria Healthcare NHS Foundation Trust**

**Issue No: 012 Issue date: 28 March 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
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion examinations to assist in clinical investigations	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA packed red cell	Direct Antiglobulin Test (DAT): IgG C3D C3b	LP-HAE-BTR-G-2.06	B
Whole blood/EDTA	HbF in foetal cells	Manual acid elution technique using Source bioscience foetal cell detection kit Kleihauer method: LP-HAE-BTR-G-6.03	B
END			