


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL</p> <p>8543</p> <p>Accredited to ISO 15189:2022</p>	<p><b>The Newcastle upon Tyne Hospitals NHS Foundation Trust</b></p> <p>Issue No: 018 Issue date: 24 October 2024</p>	
	<p>Department of Blood Sciences Newcastle upon Tyne Hospitals NHS Foundation Trust Freeman Hospital Freeman Road High Heaton Newcastle upon Tyne NE7 7DN</p>	<p>Contact: Dr Helen Bourne, Consultant Immunologist Tel: +44 (0) 191 2336161 E-Mail: helen.bourne2@nhs.net Website: www.newcastle-hospitals.org.uk</p>

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
<p><b>Address</b> Department of Blood Sciences Newcastle upon Tyne Hospitals NHS Foundation Trust Freeman Hospital Freeman Road High Heaton Newcastle upon Tyne NE7 7DN</p> <p><b>Local contact</b> Dr H Bourne (as above)</p>	<ul style="list-style-type: none"> <li>• Routine haematology</li> <li>• Routine Coagulation</li> <li>• Blood Grouping and antibody screen</li> <li>• Blood &amp; blood product issue</li> <li>• Haematinics</li> <li>• Haemostasis, Thrombophilia</li> <li>• Routine Biochemistry</li> <li>• Special Chemistry</li> </ul>	FH
<p><b>Address</b> Department of Blood Sciences Newcastle upon Tyne Hospitals NHS Foundation Trust Royal Victoria Infirmary Queen Victoria Road Newcastle upon Tyne NE1 4LP</p> <p><b>Local contact</b> Dr H Bourne (as above)</p>	<ul style="list-style-type: none"> <li>• Routine haematology</li> <li>• Routine Coagulation</li> <li>• Blood Grouping and antibody screen</li> <li>• Blood &amp; blood product issue</li> <li>• Haemostasis and Haemophilia</li> <li>• Haemoglobinopathies</li> <li>• Flow Cytometry</li> <li>• Autoimmunity screening service</li> <li>• Routine Biochemistry</li> <li>• Endocrine chemistry</li> <li>• Protein screening service</li> <li>• Metabolic and Newborn screening</li> <li>• Maternal screening services</li> <li>• Neonatal screening services</li> <li>• Foetal anomaly screening</li> <li>• Newborn blood spot screening</li> <li>• Sickle cell and thalassaemia screening</li> </ul>	RVI



8543  
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

**The Newcastle upon Tyne Hospitals NHS Foundation Trust**

**Issue No: 018 Issue date: 24 October 2024**

Testing performed by the Organisation at the locations specified

**Site activities performed away from the locations listed above:**

Location details	Activity
Cardiology Freeman Hospital Freeman Road, High Heaton Newcastle upon Tyne NE7 7DN	Blood storage & issue only Fridge managed by Blood Transfusion
Central Ops Freeman Hospital Freeman Road, High Heaton Newcastle upon Tyne NE7 7DN	Blood storage & issue only Fridge managed by Blood Transfusion
Institute of Transplantation Freeman Hospital Freeman Road, High Heaton Newcastle upon Tyne NE7 7DN	Blood storage & issue only Fridge managed by Blood Transfusion
Ward 36 Freeman Hospital Freeman Road, High Heaton Newcastle upon Tyne NE7 7DN	Blood storage & issue only Fridge managed by Blood Transfusion
Adult and Paediatric Theatres Royal Victoria Infirmary Queen Victoria Road Newcastle upon Tyne NE1 4LP	Blood storage & issue only Fridge managed by Blood Transfusion
Leazes Theatres Royal Victoria Infirmary Queen Victoria Road Newcastle upon Tyne NE1 4LP	Blood storage & issue only Fridge managed by Blood Transfusion
Delivery Suite Fridge Royal Victoria Infirmary Queen Victoria Road Newcastle upon Tyne NE1 4LP	Blood storage & issue only Fridge monitored by Blood Transfusion



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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 BODY FLUIDS	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
Serum/Lithium Heparin Plasma unless otherwise stated	Quantitative determination of:	Roche Cobas 8000 c702 Module : Immunoturbidometric	
	Alpha 1- Antitrypsin	BS-SOP-OP-Biochem-17	RVI
	Beta 2 Microglobulin	BS-SOP-OP-Biochem-15	RVI
	ApoA1	BS-SOP-OP-Biochem-112	RVI
	ApoB100	BS-SOP-OP-Biochem-113	RVI
	C3	BS-SOP-OP-Biochem-66	RVI
	C4	BS-SOP-OP-Biochem-66	RVI
	Caeruloplasmin	BS-SOP-OP-Biochem-8	RVI
	CRP (High sensitivity)	BS-SOP-OP-Biochem-3	RVI
	CRP	BS-SOP-OP Biochem-29	FH/RVI
	Haptoglobin	BS-SOP-OP-Biochem-133	RVI
Serum only	IgA	BS-SOP-OP-Biochem-67	RVI
Serum only	IgG		
Serum only	IgM		
	Lp(a)	BS-SOP-OP-Biochem-39	RVI
	Rheumatoid Factor	BS-SOP-OP-Biochem-63	RVI
	Transferrin	BS-SOP-OP-Biochem-73	FH
CSF	Protein	BS-SOP-OP-Biochem-62	RVI
Urine	albumin	BS-SOP-OP-Biochem-97	FH/RVI
Urine	Protein	BS-SOP-OP-Biochem-62	FH/RVI
		Roche Cobas 8000 c702 Module : Photometry	
Serum Only	ACE	BS-SOP-OP-Biochem-21	RVI
	Albumin	BS-SOP-OP-Biochem-98	FH/RVI
	Alkaline Phosphatase	BS-SOP-OP-Biochem-18	FH/RVI
	ALT	BS-SOP-OP-Biochem-22	FH/RVI
	Ammonia	BS-SOP-OP-Biochem-102	FH/RVI
	Amylase	BS-SOP-OP-Biochem-16	FH/RVI
	AST	BS-SOP-OP-Biochem-23	FH/RVI
	Bicarbonate	BS-SOP-OP-Biochem-13	FH/RVI
	Bile Acids	BS-SOP-OP-Biochem-12	RVI
	Bilirubin total	BS-SOP-OP-Biochem-10	FH/RVI
	Calcium	BS-SOP-OP-Biochem-7	FH/RVI
	Cholesterol	BS-SOP-OP-Biochem-5	FH/RVI
	CK	BS-SOP-OP-Biochem-28	FH/RVI
	Creatinine	BS-SOP-OP-Biochem-2	FH/RVI
	Ethanol	BS-SOP-OP-Biochem-19	FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
Serum/Lithium Heparin Plasma unless otherwise stated (cont'd)	Quantitative determination of: (cont'd)	Roche Cobas 8000 c702 Module : Photometry (cont'd)	
FI-Oxalate only	GGT	BS-SOP-OP-Biochem-34	FH/RVI
	Glucose	BS-SOP-OP-Biochem-45	FH/RVI
	HDL- Cholesterol	BS-SOP-OP-Biochem-46	FH/RVI
	Iron	BS-SOP-OP-Biochem-48	FH/RVI
FI-oxalate only	Lactate	BS-SOP-OP-Biochem-49	FH/RVI
	LDH	BS-SOP-OP-Biochem-37	FH/RVI
	Lipase	BS-SOP-OP-Biochem-108	FH
	Magnesium	BS-SOP-OP-Biochem-52	FH/RVI
	Paracetamol	BS-SOP-OP-Biochem-56	RVI
	Phosphate	BS-SOP-OP-Biochem-59	FH/RVI
	Salicylate	BS-SOP-OP-Biochem-64	RVI
	Total Protein	BS-SOP-OP-Biochem-96	FH/RVI
	Triglyceride	BS-SOP-OP-Biochem-74	FH/RVI
	Urea	BS-SOP-OP-Biochem-76	FH/RVI
	Urate	BS-SOP-OP-Biochem-77	FH/RVI
FI-oxalate CSF	Glucose	BS-SOP-OP-Biochem-45	RVI
FI-oxalate CSF	Lactate	BS-SOP-OP-Biochem-49	RVI
Urine	Calcium	BS-SOP-OP-Biochem-7	FH/RVI
Urine	Creatinine	BS-SOP-OP-Biochem-2	FH/RVI
Urine	Magnesium	BS-SOP-OP-Biochem-52	RVI
Urine	Phosphate	BS-SOP-OP-Biochem-59	FH/RVI
Urine	Uric Acid	BS-SOP-OP-Biochem-77	FH/RVI
Urine	Urea	BS-SOP-OP-Biochem-76	FH/RVI
		Roche Cobas 8000 c702 Module : Using EMIT measurements:	
	Methotrexate	BS-SOP-OP-Biochem-53	RVI
		Roche Cobas 8000 c702 Module : Photometry	
Serum only	Lithium	BS-SOP-OP-Biochem 50	RVI
		Roche Cobas 8000 c702 Module : Using WAKO Vanadate oxidation kit	
	Conjugated bilirubin	BS-SOP-OP-Biochem 11	FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
Serum/Lithium Heparin Plasma unless otherwise stated (cont'd)	Quantitative determination of: (cont'd)	Roche Cobas 8000 c702 Module : Using KIMS Immunoassay:	
	Carbamazepine Phenobarbitone Phenytoin Theophylline	BS-SOP-OP-Biochem-6 BS-SOP-OP-Biochem-57 BS-SOP-OP-Biochem-58 BS-SOP-OP-Biochem-70	RVI RVI RVI RVI
		Roche Cobas 8000 c702 Module : Using Indirect ISE:	
Urine Urine Urine	Chloride Potassium Sodium Chloride Potassium Sodium	BS-SOP-OP-Biochem-36 BS-SOP-OP-Biochem-36 BS-SOP-OP-Biochem-36 BS-SOP-OP-Biochem-36 BS-SOP-OP-Biochem-36 BS-SOP-OP-Biochem-36	FH/RVI FH/RVI FH/RVI RVI RVI/FH RVI/FH
		Roche Cobas 8000 c702 Module : Using EIA:	
	Valproate	BS-SOP-OP-Biochem-79	RVI
		Roche Cobas 8000 e602 Module : Using ECLIA and Calculation:	
	Macroprolactin screen (inc. % recovery and bioactive monomeric prolactin)	BS-SOP-OP-Biochem-51	RVI
		Roche Cobas 8000 c702 Module : Using Buhlmann immunoturbidimetric assay:	
Faeces Serum	Faecal Calprotectin CSF IgG	BS-SOP-OP-Biochem 149 BS-SOP-OP-Biochem-67	RVI RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
Serum/Lithium Heparin Plasma unless otherwise stated (cont'd)	Quantitative determination of: (cont'd)	Roche Cobas 8000 e602 Module : Using ECLIA:	
EDTA plasma only	Calcitonin	BS-SOP-OP-Biochem-162	RVI
	Cortisol	BS-SOP-OP-Biochem-4	RVI
	B-Ctx	BS-SOP-OP-Biochem-14	RVI
	Digoxin	BS-SOP-OP-Biochem-43	RVI
	Ferritin	BS-SOP-OP-Biochem-44	RVI
	Folate	BS-SOP-OP-Biochem-135	FH/RVI
	FSH	BS-SOP-OP-Biochem-31	RVI
	fT3	BS-SOP-OP-Biochem-166	RVI
	fT4	BS-SOP-OP-Biochem-33	RVI
Serum only	hCG	BS-SOP-OP-Biochem-35	RVI
	IgE	BS-SOP-OP-Biochem-121	RVI
	LH	BS-SOP-OP-Biochem-38	RVI
	NT-Pro BNP	BS-SOP-OP-Biochem-54	RVI
	Oestradiol	BS-SOP-OP-Biochem-55	RVI
	Progesterone	BS-SOP-OP-Biochem-60	RVI
	Prolactin	BS-SOP-OP-Biochem-61	RVI
EDTA plasma only	PTH	BS-SOP-OP-Biochem-47	FH/RVI
	SHBG	BS-SOP-OP-Biochem-41	RVI
	Testosterone	BS-SOP-OP-Biochem-69	RVI
	Thyroglobulin antibody	BS-SOP-OP-Biochem-71	RVI
	Thyroid peroxidase antibody	BS-SOP-OP-Biochem-72	RVI
	Troponin-T	BS-SOP-OP-Biochem-75	RVI
	TSH	BS-SOP-OP-Biochem-42	RVI
	Vitamin B12	BS-SOP-OP-Biochem-136	FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
Serum/Lithium Heparin Plasma unless otherwise stated (cont'd)	Quantitative determination of: (cont'd)	Roche Cobas 8000 e801 Module : Using ECLIA:	
	AFP	BS-SOP-OP-Biochem-20	FH
	CA125	BS-SOP-OP-Biochem-24	FH
	CA15-3	BS-SOP-OP-Biochem-25	FH
	CA19-9	BS-SOP-OP-Biochem-26	FH
	CEA	BS-SOP-OP-Biochem-27	FH
	Ferritin	BS-SOP-OP-Biochem-158	FH
	fT3	BS-SOP-OP-Biochem-160	FH
	fT4	BS-SOP-OP-Biochem-156	FH
	hCG	BS-SOP-OP-Biochem-35	FH
	PSA	BS-SOP-OP-Biochem-40	FH
	Troponin T	BS-SOP-OP-Biochem-159	FH
	TSH	BS-SOP-OP-Biochem-155	FH
	Vitamin D	BS-SOP-OP-Biochem-165	FH
Calculated equations	Calculated determination of:		
	Adjusted Calcium	BS-SOP-OP-Biochem-7	FH/RVI
	eGFR	CKD-EPI equation	FH/RVI
	LDL Cholesterol	BS-SOP-OP-Biochem-2 Friedwald equation	FH/RVI
	Non-HDL Cholesterol	BS-SOP-OP-Biochem-5	FH/RVI
	Transferrin saturation	BS-SOP-OP-Biochem-48	FH/RVI
	Free testosterone	Wu formula BS-SOP-OP-Biochem-69	RVI
	ALP isoenzymes	Electrophoresis: BS-SOP-OP-Biochem-141	RVI
		In house assay using ultracentrifugation (Beckman) and Roche cholesterol/triglyceride assays (Cobas 8000) also lipoprotein fractionation using Sebia Hydrasys electrophoresis:	
EDTA plasma	Beta Quantification (lipoprotein fractionation)	BS-SOP-OP-Endo-14	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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: (cont'd)</u>	Documented in house methods and manufacturers instructions for	
Serum/plasma unless otherwise stated	Quantitative determination of:	UVIKON-XS Spectrophotometer : Using Spectrophotometry:	
CSF	Xanthochromia	BS-SOP-OP-Biochem-117	RVI
Urine	PBG	BS-SOP-OP-Biochem-129	RVI
		Tosoh G8 HPLC:	
EDTA or Fluoride Oxalate	HbA1c	BS-SOP-OP-Biochem-109	FH/RVI
		Advanced Micro-Osmometer:	
Serum/Urine/Faeces/plasma	Osmolality	BS-SOP-OP-Biochem-105	FH/RVI
		Alere Urine OBC Kit	
Urine	hCG	BS-SOP-OP-Biochem-127	FH/RVI
		Thermofisher Trace ISQ GC-MS:	
Urine	Urine Free Cortisol	BS-SOP-OP-Endo-22	RVI
Serum	C1 Esterase Inhibitor	Binding Site OptiLite using Turbidimetry. BS-SOP-OP-Prot-48	RVI
Serum	IgG Subclasses	Binding Site OptiLite using Turbidimetry. BS-SOP-OP-Prot-36	RVI
Serum	Free Light Chains	Binding Site OptiLite using Turbidimetry. BS-SOP-OP-Prot-27	RVI
Serum	CH50	Binding Site OptiLite using Turbidimetry. BS-SOP-OP-Prot-49	RVI
Faeces	Faecal Elastase	Grifols ELISA processor using IDK ELISA Kit 8. BS-SOP-OP-ENDO-24	RVI





8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
Serum/plasma unless otherwise stated (cont'd)	Quantitative determination of: (cont'd)	UVIKON-XS Spectrophotometer : Using Spectrophotometry:	
Urine	Porphobilinogen	UVIKON-XS spectrophotometer using spectrophotometry. BS-SOP-OP-Biochem-129	RVI
Serum, EDTA or LiHEP Plasma	Vitamin A	Waters Acquity Arc HPLC system using HPLC. BS-SOP-OP-SpecChem-50	FH
Serum, EDTA or LiHEP Plasma	Vitamin E	Waters Acquity Arc HPLC system using HPLC. BS-SOP-OP-SpecChem-50	FH
Serum/Lithium Heparin Plasma unless otherwise stated	Quantitative determination of:	Beckman Access II using Chemiluminescent immunoassay:	
Serum only	Thyroglobulin	BS-SOP-OP-Endo-20  Brahms Kryptor using fluorescent immunoassay:	RVI
Serum only	TRAb	BS-SOP-OP-Endo-25	RVI
Serum only	Chromogranin A	BS-SOP-OP-Endo-27	RVI
Serum only	Copeptin	BS-SOP-OP-Endo-29  IDS iSYS using chemiluminescent immunoassay:	RVI
EDTA plasma	GH	BS-SOP-OP-Endo-10	RVI
EDTA plasma	IGF-1	BS-SOP-OP-Endo-13	RVI
	Aldosterone	BS-SOP-OP-Endo-02	RVI
	Renin	BS-SOP-OP-Endo-17  Mercodia ELISA:	RVI
Lithium Heparin Plasma/serum/EDTA	Insulin	BS-SOP-OP-Endo-12	RVI
Lithium Heparin Plasma/serum/EDTA	C-Peptide	BS-SOP-OP-Endo-07	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
Lithium Heparin plasma/CSF/Urine EDTA plasma/ accepted	Quantitative determination of: (cont'd)  Amino Acids to include:  Alanine Arginine Asparagine Aspartic Acid Citrulline Cystine Glutamic Acid Glutamine Glycine Histidine Isoleucine Leucine Lysine Methionine Ornithine Proline Serine Taurine Threonine Tryptophan Valine	Biochrom 30+ Amino Acid Analyser using Ion exchange chromatography:  BS-SOP-OP-MNS-8	RVI
Urine/EDTA Plasma/Dry Blood Spot	Acylcarnitine Analysis	Tandem mass Spectrometry  BS-SOP-OP-Paeds-31 BS-SOP-OP-Paeds-29 BS-SOP-OP-Paeds-28 BS-SOP-OP-Paeds 21	RVI
EDTA plasma/Serum/Urine	Free Carnitine	BS-SOP-OP-Paeds-07	RVI
Lithium Heparin Plasma accepted	Total Carnitine	BS-SOP-OP-Paeds-21	RVI
Lithium heparin Plasma	Phenylalanine Tyrosine	BS-SOP-OP-Paeds-13	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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/CSF in perchloric acid	Quantitative determination of intermediary metabolites:	BMG Furostar Omega multi plate reader by enzymatically linked fluorometry:	
Blood/CSF in perchloric acid	3 OH Butyric acid	BS-SOP-OP-MNS-13	RVI
Blood/CSF in perchloric acid	Pyruvic acid, Lactate, Lactate/Pyruvate Ratio		
EDTA plasma/serum	Glucose		
EDTA plasma/serum	Non-esterified fatty acids	BS-SOP-OP-MNS-34	RVI
EDTA plasma, Li-Hep plasma, serum	Biotinidase	BS-SOP-OP-MNS-41	RVI
EDTA plasma, serum	Quantitative determination of sterols and acids:	GC Mass Spectrometry:	
EDTA plasma, serum	Campesterol	BS-SOP-OP-MNS-28	RVI
EDTA plasma, serum	Cholesterol		
EDTA plasma, serum	Cholestanol		
EDTA plasma, serum	7-Dehydrocholesterol		
EDTA plasma, serum	Lathosterol		
EDTA plasma, serum	Desmosterol		
EDTA plasma, serum	Sitosterol		
Urine	Methylmalonic acid	BS-SOP-OP-MNS-1	RVI
Urine	Hexanoylglycine	BS-SOP-OP-MNS-12	RVI
Urine	Organic acids	BS-SOP-OP-MNS-35	RVI
Urine	Orotic acid	BS-SOP-OP-MNS-2	RVI
	Very long chain fatty acids:	BS-SOP-OP-MNS-29	RVI
EDTA plasma, serum	C22:0 Behenic Acid		
EDTA plasma, serum	C24:0 Lignoceric Acid		
EDTA plasma, serum	C26:0 Cerotic Acid		
EDTA plasma, serum	Phytanic Acid		
EDTA plasma, serum	Pristanic Acid		



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	Quantitative determination of:  Chloride	Sherwood Scientific MK II Chloride Analyser 962 S: Collection and analysis  BS-SOP-OP-MNS-37 BS-SOP-OP-MNS-38	RVI RVI
	Antenatal & Newborn Screening	Documented in-house methods to meet the requirements of the Newborn blood spot screening programme as defined in the July 2018 "Newborn blood spot screening laboratory QA evidence requirements"	RVI
		Tandem Mass Spectrometry using Waters Xevo TQD UPLC Mass Spectrometer	RVI
Dry Blood Spot	Acylcarnitines	BS-SOP-OP-MNS-20	RVI
ETDA plasma	Total Carnitine	BS-SOP-OP-MNS-22	RVI
EDTA plasma, Serum, Urine, Lithium Heparin plasma accepted	Free Carnitine	BS-SOP-OP-MNS-20 BS-SOP-OP-MNS-22	RVI
EDTA plasma, Serum, Urine, Lithium Heparin plasma accepted	Phenylalanine	BS-SOP-OP-MNS-19 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	Tyrosine	BS-SOP-OP-MNS-19 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	C8 Carnitine	BS-SOP-OP-MNS-20 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	C10 Carnitine	BS-SOP-OP-MNS-20 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	C5 Carnitine	BS-SOP-OP-MNS-20 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	C5:DC Carnitine	BS-SOP-OP-MNS-20 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	Leucine	BS-SOP-OP-MNS-19 BS-SOP-OP-MNS-22	RVI
Dry Blood Spot	Methionine	BS-SOP-OP-MNS-19 BS-SOP-OP-MNS-22	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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	
		Tandem Mass Spectrometry using Shimadzu LCMS-8050 Electropray Triple Quadrupole Tandem Mass Spectrometer	RVI
Dry Blood Spot	Acylcarnitines	BS-SOP-OP-MNS-20	RVI
ETDA plasma		BS-SOP-OP-MNS-43	
EDTA plasma, Serum, Urine, Lithium Heparin plasma accepted	Total Carnitine	BS-SOP-OP-MNS-20	RVI
		BS-SOP-OP-MNS-43	
EDTA plasma, Serum, Urine, Lithium Heparin plasma accepted	Free Carnitine	BS-SOP-OP-MNS-20	RVI
		BS-SOP-OP-MNS-43	
		Documented in-house methods to meet the requirements of the Fetal anomaly screening programme as defined in the July 2018 "Fetal anomaly screening laboratory QA evidence requirements"	RVI
		Perkin Elmer AutoDELFIA using Fluoro immunoassay:	
Bloodspot	TSH	BS-SOP-OP-MNS-25	RVI
Bloodspot	IRT	BS-SOP-OP-MNS-3	RVI
Bloodspot	17OHP	BS-SOP-OP-MNS-31	RVI
		BS-SOP-OP-MNS-24	RVI
Serum	Inhibin A	BS-SOP-OP-MSS-16	RVI
		HPLC Electrochemical Detection:	
Urine	Normetadrenaline Metadrenaline 3-Methoxytyramine	BS-SOP-OP-SpecChem-22	FH



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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:	Perkin Elmer ICP Mass Spectrometry:	
Serum	Zinc	BS-SOP-OP-SpecChem-45	FH
Serum/Urine	Copper	BS-SOP-OP-SpecChem-48	FH
Serum	Selenium	BS-SOP-OP-SpecChem-46	FH
EDTA Whole blood	Chromium	BS-SOP-OP-SpecChem-44	FH
EDTA Whole Blood	Cobalt	BS-SOP-OP-SpecChem-44	FH
EDTA Whole Blood	Manganese	BS-SOP-OP-SpecChem-49	FH
EDTA Whole blood	Lead	BS-SOP-OP-SpecChem-54	FH
		Tandem Mass Spectrometry:	
EDTA Whole Blood	Ciclosporin	BS-SOP-OP-SpecChem-60	FH
	Sirolimus	BS-SOP-OP-SpecChem-60	FH
	Tacrolimus	BS-SOP-OP-SpecChem-60	FH
EDTA Plasma	Plasma Free Metanephrine Plasma free normetanephrine 3 Methoxytyramine	BS-SOP-OP-SpecChem-58	FH



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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:  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 Visionx1 and Ortho Vision Max x1 automation or Manual BioVue system: BS-SOP-OP-BT-2201 BS-SOP-OP-BT-2711 BS-SOP-OP-BT-2214 BS-SOP-OP-BT-2213	FH/RVI
EDTA plasma	3 cell Antibody Screen	BS-SOP-OP-BT-2201 BS-SOP-OP-BT-2711 BS-SOP-OP-BT-2214 BS-SOP-OP-BT-2213	FH/RVI
EDTA Plasma	Antibody Investigation by detection of antibodies to:  Rh which includes anti-C, D, E, c, e, f, C <sup>w</sup> K, k, Kp <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>	Column Technology: Ortho Vision x1 and ortho vision Max x1 automation or Manual BioVue system: BS-SOP-OP-BT-2711 BS-SOP-OP-BT-2203 BS-SOP-OP-BT-2216 BS-SOP-OP-BT-2218	FH/RVI
EDTA Packed red cells	Confirmation of Phenotype by detection of antigens	BS-SOP-OP-BT-2219	FH/RVI
EDTA Plasma	Compatibility testing of patients plasma with donor cells	BS-SOP-OP-BT-2202 BS-SOP-OP-BT-2711	FH/RVI
EDTA packed red cell	Direct Antiglobulin Test (DAT)	BS-SOP-OP-BT-2217	FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Whole blood	Foetal Cells	Manual Slide/Staining using 1% Eosin  BS-SOP-OP-BT-2212	RVI
EDTA Plasma	Isohaemagglutinins	Quantitative titre of Anti-A and anti-B by testing against red blood cells using manual tube agglutination  BS-SOP-OP-BT-2209	FH/RVI





8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Haematological examinations for the purpose of clinical diagnosis</u>		
EDTA Whole Blood	Full Blood Count (FBC) analysis of the following parameters:  WBC RBC ESR HGB HCT MCH MCHC PLT NEUT LYMPH MONO EOS BASO Nucleated red blood cell (NRBC) count Reticulocyte count RET-He	<p>Sysmex XN9000 automated analysers, XS and pOCHI Blood counters. Hb measurement by laurel sulphate conversion and colorimetry</p> <p>BS-SOP-OP-Haem-6020 BS-SOP-OP-Haem-4001 BS-SOP-OP-Haem-4002 BS-SOP-OP-Haem-6016</p> <p>Sysmex XN9000 Blood Cell Counters. Hb Measurement by laural sulphate conversion and colorimetry. Light Microscopy</p>	FH/RVI
CSF Ascitic Fluid PD fluid	Body Fluid Analysis/ Cell Counting	BS-SOP-OP-Haem-4035 BS-SOP-OP-Haem-4021	FH/RVI FH/RVI FH/RVI
EDTA Plasma	Infectious Mononucleosis Screen	Clearview IM II commercial kit, latex micro particle immunoassay BS-SOP-OP-Haem-4015	FH/RVI
Blood Bone marrow	Blood / bone marrow film analysis	Light Microscopy: BS-SOP-OP-Haem-5033 BS-SOP-OP-Haem-4008 BS-SOP-OP-Haem-4009 BS-SOP-OP-Haem-4006 BS-SOP-OP-Haem-4520	FH/RVI FH/RVI FH/RVI FH/RVI FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Haemostasis and thrombosis examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	FH/RVI
Citrate Plasma	Routine Coagulation testing for:  Prothrombin Time (PT) INR Activated Partial Thromboplastin Time (APTT) Actin FS APTT PT derived Fibrinogen Fibrinogen (Clauss) Thrombin Time (TT) Lupus Anticoagulant Screen D Dimer Factor II Factor V Factor VII Factor X Factor VIII Factor IX Factor XI Chromogenic Factor VIII	IL ACL 700/Light transmission/Chromogenic/clotting end-point. Turbidometric  BS-SOP-OP-HStasis-6042 BS-SOP-OP-HStasis-6043 BS-SOP-OP-HStasis-3000  BS-SOP-OP-HStasis-6044 BS-SOP-OP-HStasis-6045 BS-SOP-OP-HStasis-6046 BS-SOP-OP-HStasis-3001 BS-SOP-OP-HStasis-6047 BS-SOP-OP-HStasis-3021 BS-SOP-OP-HStasis-3020 BS-SOP-OP-HStasis-3004 BS-SOP-OP-HStasis-6049 BS-SOP-OP-HStasis-3002 BS-SOP-OP-HStasis-3003	
Citrate Plasma	Inhibitor screen Inhibitor Titre	Spectrophotometer/Chromogenic BS-SOP-OP-HStasis-3009  IL ACL 700/Light transmission/clotting end-point. 1 stage factor assay  BS-SOP-OP-HStasis-3010 BS-SOP-OP-HStasis-3011	FH/RVI FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Haemostasis and thrombosis examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Citrate Plasma	Rivaroxaban	IL ACL 700/Light transmission/Chromogenic/clotting end-point.	FH/RVI
	Dabigatran	BS-SOP-OP-HStasis-6051	
	Anti-Xa Low Molecular Weight Heparin	BS-SOP-OP-HStasis-6040	
Citrated Plasma	Protein C Protein S Anti-thrombin 3 Activated Protein C resistance Homocysteine	BS-SOP-OP-HStasis-3023	FH
		BS-SOP-OP-HStasis-6048	
		BS-SOP-OP-HStasis-6034	FH
		Werfen ACL Acustar/Chemiluminescence	
		BS-SOP-OP-HStasis-3005	
	Ristocetin Co-Factor	BS-SOP-OP-HStasis-6057	RVI
	HIT Screening Assay	BS-SOP-OP-HStasis-6055	



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Morphology and immunophenotyping examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Citrated Plasma	ADAMTS 13 assay	ELISA BS-SOP-OP-HStasis-6039	FH
EDTA Plasma	Erythropoietin (EPO)	BS-SOP-OP-HStasis-6004 Light Microscopy, Modified Wrights stain	
Blood	Blood Film Morphology	BS-SOP-OP-Haem-6020 BS-SOP-OP-Haem-4008 BS-SOP-OP-Haem-4009 BS-SOP-OP-Haem-4006 BS-SOP-OP-Haem-4021 BS-SOP-OP-Haem-4520	FH/RVI
Blood	Detection & speciation (thin films) of malaria parasites:  All plasmodium species known to cause human disease	Preparation of thick and thin films, staining and light microscopy  BS-SOP-OP-Haem-4028 BS-SOP-OP-Haem-4519	FH/RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Whole Blood	Lymphocyte subsets: T Cells B Cells NK Cells CD4 T Cells CD8 T Cells CD4:CD8 ratio Activated T Cells Naïve T Cells B Cell phenotype T Cell receptor Double negative alpha/beta T cells T regulatory cells Dendritic cell screen	BD FACS Canto II Flow Cytometry and antibodies conjugated to fluorescent molecules as per BS-SOP-OP-FLOW-28 and the following SOPs;  BS-SOP-OP-FLOW-24	RVI  RVI
EDTA Whole Blood	Adhesion molecules	BS-SOP-OP-FLOW-24	RVI
EDTA Whole Blood	CD46	BS-SOP-OP-FLOW-38	RVI
EDTA Whole Blood	TCR VB repertoire	BS-SOP-OP-FLOW-02	RVI
EDTA Whole Blood	BTK Assay	BS-SOP-OP-FLOW-32	RVI
EDTA Whole Blood	Screen for Toll like receptors	BS-SOP-OP-FLOW-18	RVI
EDTA Whole Blood	SAP	BS-SOP-OP-FLOW-16	RVI
EDTA Whole Blood	Perforin	BS-SOP-OP-FLOW-23	RVI
EDTA Whole Blood	NK Cell degranulation	BS-SOP-OP-FLOW-25	RVI
EDTA Whole Blood	CGD Proteins	BS-SOP-OP-FLOW-15	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
		BD FACS Canto II Flow Cytometry and antibodies conjugated to fluorescent molecules as per BS-SOP-OP-FLOW-28 and the following SOPs;	RVI
Preservative free heparinised Whole Blood	CD40 Ligand Expression	BS-SOP-OP-FLOW-34	RVI
Preservative free Heparinised Whole Blood	FOXP3	BS-SOP-OP-FLOW-27	RVI
EDTA Whole Blood	PNH screen	BS-SOP-OP-FLOW-08	RVI
EDTA Whole Blood	EMA test for hereditary spherocytosis	BS-SOP-OP-FLOW-07	RVI
EDTA Whole Blood	Quantification of FMH	BS-SOP-OP-FLOW-03	RVI
EDTA Whole Blood	Flow Cytometry Platelet Count (CD61)	BS-SOP-OP-FLOW-11	RVI
EDTA Whole Blood	CD3	BS-SOP-OP-FLOW-14	RVI
Citrated Whole Blood	Platelet glycoproteins	BS-SOP-OP-FLOW-12	RVI
EDTA Whole Blood EDTA Bone marrow EDTA Apheresis Product	CD34 Stem cell enumeration	BS-SOP-OP-FLOW-10	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Morphology and immunophenotyping examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Whole Blood	Detection and Quantification of Haematological Malignancies including the following antigens;	BD FACS Canto II Flow Cytometry and antibodies conjugated to fluorescent molecules as per BS-SOP-OP-FLOW-28 and the following SOPs;	RVI
EDTA Bone Marrow	CD2	BS-SOP-OP-FLOW-06	RVI
CSF	CD3	BS-SOP-OP-FLOW-39	RVI
Pleural Fluids	cCD3	BS-SOP-OP-FLOW-37	RVI
	CD4		
	CD5		
	CD7		
	CD8		
	CD10		
	CD11c		
	CD13		
	CD14		
	CD15		
	CD16		
	CD16 + 56		
	CD19		
	CD20		
	CD22		
	CD23		
	CD25		
	CD26		
	CD27		
	CD33		
	CD34		
	CD38		
	CD41		
	CD41a		
	CD45		
	CD56		
	CD57		
	CD61		
	CD64		
	cCD79a		
	CD79b		
	CD81		
	CD103		
	CD117		



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Morphology and immunophenotyping examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Whole Blood (cont'd)	Detection and Quantification of Haematological Malignancies including the following antigens; (cont'd)  CD123 CD138 CD123 CD200 CD235a Intrastain HLA-DR FMC7 cKappa sKappa cLambda sLambda TCR AB TCR GD nTDT cMPO VS38c 6 colour TBNK	BD FACS Canto II Flow Cytometry and antibodies conjugated to fluorescent molecules as per BS-SOP-OP-FLOW-28 and the following SOPs; BS-SOP-OP-FLOW-06 BS-SOP-OP-FLOW-39 BS-SOP-OP-FLOW-37	RVI RVI RVI
EDTA Bone Marrow	Bone Marrow Monocyte Panel ( CD45, CD34, CD117 , HLA DR, CD2, CD16)	Flow Cytometry using BD FACSCanto II. BD lyse Wash Assistant. BS-SOP-OP-FLOW-06	RVI
EDTA Whole Blood	Platelet Count (CD61 and CD41)	Flow Cytometry using BD FACSCanto II. BS-SOP-OP-FLOW-11	RVI
EDTA Whole Blood, EDTA Bone Marrow	Lymphoproliferative Panel (FMC7, CD23, CD19, CD5 CD200)	Flow Cytometry using BD FACSCanto II. BD Lyse Wash Assistant. BS-SOP-OP-FLOW-06	RVI





8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Morphology and immunophenotyping examinations for the purpose of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
EDTA Whole Blood, EDTA Bone Marrow, EDTA CSF, CSF, Pleural Fluid, EDTA Pleural Fluid	Acute Leukaemia Panel/Acute Screening Tube <ul style="list-style-type: none"> <li>○ ALP1 - (CD45, CD34, CD10, CD19, CD5, CD117, HLA-DR)</li> <li>○ ALP2 - (CD45, CD2, CD7, CD33, CD13, CD15, CD123)</li> <li>○ ALP3 - (CD45, CD14, CD64, CD235a, CD41a)</li> </ul>	Flow Cytometry Using BD FACSCanto II. BD Lyse Wash Assistant. BS-SOP-OP-FLOW-06	RVI
EDTA Whole Blood, EDTA Bone Marrow	Plasma Cell Tube- Extracellular (CD38, CD138, CD45, CD56, CD19, CD117)	Flow Cytometry Using BD FACSCanto II. BD Lyse Wash Assistant. BS-SOP-OP-FLOW-06	RVI
EDTA Whole Blood, EDTA Bone Marrow, EDTA CSF, CSF, Pleural Fluid, EDTA Pleural Fluid	TC3 Cell Panel (CD10, CD3, CD8, TCR AB, TCR GD, CD25, CD45, CD57)	Flow Cytometry Using BD FACSCanto II. BD Lyse Wash Assistant. BS-SOP-OP-FLOW-06	RVI
EDTA Whole Blood, EDTA Bone Marrow	Intracellular Plasma Cell Tube (VS38c, cLambda, cKappa, CD45)	Flow Cytometry Using BD FACSCanto II. BD Lyse Wash Assistant. BS-SOP-OP-FLOW-06	RVI
EDTA Whole Blood	Lymphocyte Count (6 colour TBNK)	Flow Cytometry Using BD FACSCanto II. BS-SOP-OP-FLOW-11	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Preservative Free heparinised whole blood	T Cell proliferation	Tritiated thymidine incorporation into dividing cells then assessed by Perkin Elmer Beta counter BS-SOP-OP-FLOW-22	RVI
EDTA Whole Blood	T,B,CD15 cell separation	Magnetic bead separation using Miltenyi automacs, quality assessed by BD FACS Canto II Flow Cytometry and antibodies conjugated to fluorescent molecules BS-SOP-OP-FLOW-33	RVI
EDTA Whole Blood	NBT	Neutrophils stimulated with PMA and colour changes to NBT assessed on cytopsin by microscopy BS-SOP-OP-FLOW-05	RVI
EDTA Whole Blood	Neutrophil Respiratory Burst	Neutrophils stimulated with PMA and labelled with DHR, fluorescent changes are assessed by BD FACS Canto II BS-SOP-OP-FLOW-04	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:  Documented in-house methods to meet the requirements of the Fetal anomaly screening programme as defined in the July 2018 "Fetal anomaly screening laboratory QA evidence requirements"	
Serum only Serum only Serum only Serum only Serum only	<u>Maternal screening services for the purpose of clinical diagnosis</u>  fbhCG PAPPA AFP hCG uE3	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:  Fluoro Immunoassay: BS-SOP-OP-MSS-10 BS-SOP-OP-MSS-11 BS-SOP-OP-MSS-8 BS-SOP-OP-MSS-7 BS-SOP-OP-MSS-9	RVI RVI RVI RVI RVI
Dried Blood Spot	Detection of T-cell Receptor Excision Circles (TRECs) from DNA	Newborn Screening for Severe Combined ImmunoDeficiency (SCID) Immuno-IVD TREC screening kit, DBS PerkinElmer Puncher, Applied Biosystems ProFlex Thermal cyclers and Quantstudio 5 Dx Real-time PCR analyser (Measurement principle – time resolved fluorescence resonance energy transfer detection). BS-SOP-OP-MNS-5	



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Serum only unless otherwise stated	ANA Pattern Gastric Parietal Cell antibody Anti Nuclear antibody Anti mitochondrial Ab Anti smooth muscle Ab Anti Ribosomal Ab	Hamilton Dilutor, Slide Trays and immunofluorescence microscope  BS-SOP-OP-AIMM-1 BS-SOP-OP-AIMM-5 BS-SOP-OP-AIMM-20	RVI
	Anti-DNA Ab Anti-Chromatin Ab Anti-ribosomal P Ab Anti-Ro 52 Ab Anti-Ro 60 Ab Anti-La Ab Anti-Sm Ab Anti-RNP 68 Ab Anti-Scl-70 Ab Anti-Jo-1 Ab Anti-Centromere Ab	Bioplex 2200 analyser. Multiplexing bead based flow cytometric principles:  BS-SOP-OP-AIMM-71	RVI
	Anti-MPO Ab Anti PR3 Ab Anti GBM Ab	BS-SOP-OP-AIMM-70	RVI
	Anti-CCP Ab	BS-SOP-OP-AIMM-72	RVI
	IgA Anti-TTG Ab	BS-SOP-OP-AIMM-73	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:  Hamilton Dilutor, Slide trays and immunofluorescence microscope:	
Serum	Perinuclear ANCA Cytoplasmic ANCA	BS-SOP-OP-AIMM-3 BS-SOP-OP-AIMM-9 BS-SOP-OP-AIMM-11	RVI
Serum	IgA Endomysial Antibody IgG Endomysial Antibody	BS-SOP-OP-AIMM-7 BS-SOP-OP-AIMM-9 BS-SOP-OP-AIMM-11  Hamilton dilutor, rocking platform immunoblot	
Serum	ENA Scl-70 Antibody  Mitochondrial M2 Anti Liver-Kidney Mic. Ab Liver Cytosol Ab Soluble Liver Antigen Ab	BS-SOP-OP-AIMM-8  BS-SOP-OP-AIMM-14	RVI
Serum	Pemphigoid Ab Pemphigus Ab Adrenal Ab Islet Cell Ab Purkinje Cell Ab Anti Neuronal Nuc. Ab	BS-SOP-OP-AIMM-18 BS-SOP-OP-AIMM-9 BS-SOP-OP-AIMM-11  Hamilton Dilutor, Slide Trays, Moisture Chamber and immunofluorescence microscope:	RVI
Serum	Serum Tryptase level	Phadia ImmunoCAP 250:  BS-SOP-OP-AIMM-67	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	RVI
Serum	Specific IgE Antibodies to include:  Pen G Pen V Succinyl choline (Suxameth) House dust mite D.Farinae Cat Horse Dog Guinea pig Rabbit Hamster Rat Feathers (farm fowl) Feathers (Domestic fowl) Milk Casein Lactoalbumin Lactoglobulin Cheddar Blue Cheese Egg Egg white Egg yolk Ovalbumin Ovomuroid Cod Tuna Salmon Haddock Mackerel Crab Shrimp Scallop Mussel (Blue Mussel) Lobster Squid rCor a 9 Recombinant Hazelnut	BS-SOP-OP-AIMM-69 BS-SOP-OP-AIMM-76 BS-SOP-OP-AIMM-77	



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	RVI
Serum (cont'd)	Specific IgE Antibodies to include: (cont'd)  rCor a 14 Recombinant Hazelnut Wheat Omega-5-Gliadin Gluten Rye Barley Oat Corn Rice Peanut Recomb.Peanut ARA H 1 Recomb.Peanut ARA H 2 Recomb.Peanut ARA H 3 Recomb.Peanut ARA H 8 Recomb.Peanut ARA H 9 Hazelnut Brazil nut Almond Coconut Pecan Cashew Pistachio Walnut Chestnut Macadamia Nut Recomb. Hazelnut rCOR A 8 Recomb. Hazelnut rCOR A 1 Sesame seed Sunflower seed Poppy seed Lupin seed Pumpkin seed Linseed Pea rAna o 3 Recomb. Cashew rJug r 1 Recomb. Walnut rBer e 1 Recomb. Brazil nut	BS-SOP-OP-AIMM-69 BS-SOP-OP-AIMM-76 BS-SOP-OP-AIMM-77	



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods: BS-SOP-OP-AIMM-69 BS-SOP-OP-AIMM-76 BS-SOP-OP-AIMM-77	RVI
Serum (cont'd)	Specific IgE Antibodies to include: (cont'd)  rJug r3 Recomb. Walnut Chlorhexidine Trout Tilapia Soya White bean Lentil Chick Pea Kidney bean Tomato Carrot Lettuce Cucumber Potato (white) Paprika/Sweet pepper Garlic Onion Mushroom rPru p 3 Recomb. Peach Orange Lemon Apple Pear Melon Mango Strawberry Kiwi Banana Pineapple Blueberry Peach Apricot Plum Cherry Grape Avocado Pork Beef		





8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Immunological examinations for the purpose of clinical diagnosis</u> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	RVI
Serum (cont'd)	Specific IgE Antibodies to include: (cont'd)  Chicken Lamb (mutton) Black pepper rApi m 1 phospholipase A2 Honey Bee rVes v 5 Recomb. Wasp Cacao (cocoa) Celery Chilli pepper Coffee Ginger Malt Mustard Yeast (bakers) Spice mix 1 Spice mix 2 Spice mix 3 rVes v1 phospholipase A1 Wasp Timothy Grass Grass Mix 1 Bee Wasp Mosquito spp. Latex Recomb. Latex rHEV B 5 Cladosporium Aspergillus Alternaria alternata Moulds mix Common silver Birch Recomb. Birch BET V 1 Recomb. Birch BET V 2 Palm (oil) pollen Tree mix 10 Rape pollen Weed mix 3	BS-SOP-OP-AIMM-69 BS-SOP-OP-AIMM-76 BS-SOP-OP-AIMM-77	



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Haemoglobinopathy examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Serum	Paraproteins	Sebia CAP3 using capillary electrophoresis in free solution followed by immunotyping Sebia Hydrasys using hydra gel protein kits BS-SOP-OP-Prot-23 BS-SOP-OP-Prot-46 BS-SOP-OP-Prot-47	RVI
Blood	Adult Haemoglobinopathy analysis (including Antenatal) by detection of haemoglobin variants:  Hb A Hb A2 Hb F Hb S Hb C Hb D Hb E Hb O Barts Leopore	TOSOH G8, HPLC:  BS-SOP-OP-Prot-33 BS-SOP-OP-Prot-39 BS-SOP-OP-Prot-30 BS-SOP-OP-Prot-38	RVI



8543  
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

### The Newcastle upon Tyne Hospitals NHS Foundation Trust

Issue No: 018 Issue date: 24 October 2024

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>Haemoglobinopathy examinations for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house methods to meet the requirements of the Newborn blood spot screening programme as defined in the July 2018 "Newborn blood spot screening laboratory QA evidence requirements"	
Dried Blood Spots	Neonatal Haemoglobinopathy analysis by detection of haemoglobin variants:  Hb A Hb F Hb S Hb C Hb D Hb E Hb O Barts	Sebia CapillaryS Neonate, HPLC  BS-SOP-OP-Prot-19 BS-SOP-OP-Prot-40	RVI
Serum	C3 Nephritic Factor	Sebia Hydrasys using immunofixation:  BS-SOP-OP-Prot-29	RVI
CSF	Oligoclonal banding	Sebia Hydrasys & kit using immunofixation and enzymes:  BS-SOP-OP-Prot-12	RVI
END			