


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 8833 Accredited to ISO 15189:2022	Northern Lincolnshire and Goole NHS Foundation Trust	
	Issue No: 013	Issue date: 15 January 2025
	Path Links NHS Pathology Service Diana Princess of Wales Hospital Scartho Road Grimsby DN33 2BA	Contact: James Maclean Tel: +44 (0)1536 493368 E-Mail: James.maclean@nhs.net
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 Pathology Diana Princess of Wales Scartho Road Grimsby DN33 2BA Local contact See above	<ul style="list-style-type: none">• Routine Haematology• Blood Transfusion• Biochemistry• Andrology• Phlebotomy• Blood Fridges• Blood issue/electronic issue• Serology	A
Pathology Scunthorpe General Hospital Cliff Gardens Scunthorpe DN15 7BH See above	<ul style="list-style-type: none">• Routine Haematology• Blood Transfusion• Biochemistry• Immunology• Microbiology• Serology• Molecular• Phlebotomy• Blood fridges• Blood issue/electronic issue	B
Pathology Lincoln County Hospital Greetwell Road Lincoln LN2 5QY See above	<ul style="list-style-type: none">• Routine Haematology• Blood transfusion• Biochemistry• Histology• Non gynae cytology• Phlebotomy• Blood Fridges• Blood issue/electronic issue	C



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 2025

Testing performed by the Organisation at the locations specified

Location details	Activity	Location code
<p>Address Pathology Boston Pilgrim Hospital Sibsey Road Boston PE21 9QS</p> <p>Local contact See above</p>	<ul style="list-style-type: none"> • Routine haematology • Blood transfusion • Biochemistry • Andrology • Microbiology • Phlebotomy • Blood fridges • Blood issue/electronic issue • Molecular 	D
<p>Pathology Grantham and District General hospital Manthorpe Road Grantham NG21 8DG</p> <p>See above</p>	<ul style="list-style-type: none"> • Routine Haematology • Blood Transfusion • Biochemistry • Phlebotomy • Blood Fridges • Blood issue/electronic issue 	E
Phlebotomy and blood fridges only :		
<p>Goole and district Hospital Woodland Avenue Goole DN14 6RX</p> <p>See above</p>	<ul style="list-style-type: none"> • Phlebotomy • Blood fridges- Laboratory 	F
<p>Louth County Hospital High Holme Road Louth LN11 0EU</p> <p>See above</p>	<ul style="list-style-type: none"> • Phlebotomy • Blood Fridges- Laboratory 	G
<p>HMT St Hughs Peaks Lane Grimsby DN32 9RP</p> <p>See above</p>	<ul style="list-style-type: none"> • Blood fridges 	H
<p>Lincoln BMI Nettleham Road Lincoln LN2 1QU</p> <p>See above</p>	<ul style="list-style-type: none"> • Blood fridges- Maternity and main theatres 	I
<p>Diana Princess of Wales Scartho Road Grimsby DN33 2BA</p> <p>See above</p>	<ul style="list-style-type: none"> • Blood fridges- main theatres 	J



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust
Issue No: 013 Issue date: 15 January 2025

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Haematological examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
Venous Blood: Citrated	Blood Coagulation	ACL TOPS 550(ABCD) ACL TOP 350 (E)	
	Routine	Turbidimetric method Clot detection by optical rate of change of absorbance end point being the maximum rate of change	A B C D E
	<ul style="list-style-type: none"> Prothrombin time <ul style="list-style-type: none"> INR Activated Partial Thromboplastin Time Fibrinogen estimation <ul style="list-style-type: none"> Clauss Derived 	SOP;- INT SOP 82	
	D-Dimers	Latex method SOP;- INT SOP 82	C
	Special Coagulation	SOPs;- INT INS 169 and 37 Turbidimetric method Clot detection by optical rate of change of absorbance end point being the maximum rate of change	C
	<ul style="list-style-type: none"> APTT-SP APTT-2 APTT mixing studies APCR FVIII FIX FXI FXII Free protein S Protein C Von Williebrand Factor <ul style="list-style-type: none"> Antigen Activity AntiThrombin III 	Chromogenic end point	C



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Haematology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented In-house methods using:	
Venous whole blood: EDTA	<p>FBC</p> <ul style="list-style-type: none"> Haemoglobin estimation Red cell and platelet counts Haematocrit Differential white cell count Reticulocyte MCV MCH MCHC <p>ESR</p>	<p>Sysmex XN 10 series Haematology Analysers SOP:INT-SOP-141</p> <p>Colorimetric</p> <p>Laser light scatter</p> <p>Calculated parameter from Haemoglobin and RBC</p> <p>Laser and light scatter and light absorbance</p> <p>Laser light scatter and absorbance</p> <p>Calculated parameters</p> <p>Calculated parameters</p> <p>Calculated parameters</p>	A B C D E
Blood	Identification of normal and abnormal morphologies including WBC differential count	Staining by SP 10 SOP: INT SOP 60 staining by Romanowsky examined by microscopy SOP;-INT SOP 122 microscopy	A B C D E
Whole Blood	<p>Malaria Parasite detection</p> <ul style="list-style-type: none"> P.Falciparum Non-falciparum <p>Speciation</p> <ul style="list-style-type: none"> P.Falciparum P.Ovale P.Malariae P.Vivax P.Knowlesi 	<p>Antigen testing with CareStart kit by Immunochromatographic interface SOP: INT-SOP-64</p> <p>And</p> <p>Thick film –Field Stain Thin Film – Giemsa Stain</p> <p>Examined by microscopy</p> <p>SOP: INT SOP 64</p>	A B C D E



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Haematology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented In-house methods using:	
Whole Blood	Plasmodium Falciparum parasitaemia	Thin Film – Giemsa Stain. Enumeration by microscopy SOP;-INT SOP 64	A B C D E
Venous whole blood :EDTA	Infectious Mononucleosis screen (EBV) antibody	Clearview II Card Qualitative Immunoassay agglutination interpreted by visual inspection. SOP: INT SOP 48	A B C D E
	Glucose 6 dehydrogenase (G6PD) detection	Qualitative Fluorescence detection- Trinity Biotech SOP ;- INT SOP 107	B
Venous whole blood :EDTA	Haemoglobin analysis by detection of haemoglobin variants: HbA, HbA2,HbF, HbS, HbC, HbD, HbE	Documented in-house methods to meet the requirements of the Sickie Cell and Thalassaemia Screening Programme as defined in the July 2018 'NHS Sickie Cell and Thalassaemia Screening Programme as defined in the laboratory quality assurance evidence requirements	
	Haemoglobinopathy screening (Antenatal and non-antenatal)	Capillarys3 Tera - Sebia capillary Zone electrophoresis (CZE) SOP: INT SOP 165	B
Venous whole blood :EDTA	Haemoglobin S	Detection of decreased sickle cell solubility of Haemoglobin S with Streck SickieDEX SOP: INT SOP 61	B
Whole blood	HbA1c	Capillarys3 Tera - Sebia capillary Zone electrophoresis (CZE) SOP: INT SOP 165	A B D E



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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:	
Venous Blood	Blood Grouping <ul style="list-style-type: none"> • A B O • Rhesus: C, c, D, E, e, • K • Jka, Jkb • Ss • MN • Fya, Fyb 	BioRad IH500 analyser and associated testing protocols – fully automated cassette technology including Rh-subgroup and K phenotyping cards SOP: INT-SOP-93 And Jka/Jkb phenotyping cards INT SOP 35	A B C D E (E Manual only)
Plasma/EDTA	Red cell Antibody Screening and identification : Rh- D, C, E, c, e, f and cw Kell K, k, kpa, kpb Duffy Fya and Fyb Kidd Jka and Jkb Lewis Lea and Leb MNS S, s, M, N Lutheran Lua and Lub Antibody Detection Direct Anti-Human Globulin (DAGT) Blood Grouping/Phenotype <ul style="list-style-type: none"> • Fya, Fyb • S, s • M Blood Grouping <ul style="list-style-type: none"> • ABO RhD	BioRad and Manual tube methods using Biovue technology serological methods INT-INS-117 BioRad 3 cell panels, 11 cell panels BioRad DAGT cards Auto BioRad SOP: INT-SOP-93 Manual gel technology SOP:-INT-SOP-35 Manual procedures by BioRad gel technology and Lorne antisera-red cell agglutination, macroscopic visual detection SOP: INT-SOP-35 Manual tube procedures- red cell agglutination, macroscopic visual detection SOP;- INT-SOP-35	A B C D E (E Manual only)



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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> (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Venous Blood	Compatibility testing of patient's plasma with donor cells	Fully automated BioRad cassette technology and manual procedures SOP: INT-SOP-93 SOP: INT-SOP-35 Electronic Issue SOP;-INT SOP21	A B C D E (E Manual only)
Venous Blood	Estimation of Foetal cells	Kleihauer by Acid Elution using Source BioScience kit and Haematoxylin counterstain SOP : INT SOP 28	B D
Venous Blood	FMH	Beckman Coulter Navios Flow Cytometer	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Biochemical examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
Serum/Heparinised plasma (unless otherwise stated)	Quantitative determination of:	Using Roche Cobas 8000 e602 (C D E) and e801 (A B) module SOP INT-SOP-110 and INT-INS-246	
	Electrochemiluminescence assay:		
	17 Beta Oestradiol		A D
	25 Hydroxy Vitamin D		A D E
	ACTH		D
	Alpha fetoprotein		A
	Anti-CCP		B
	B HCG		A B C D
	CA125		E
	CA 153		A
	CA 19-9		A
	CEA		A B C
	Cortisol		A B C D
	DHAS		A
	Digoxin		A B C D
	Ferritin		A B C D
	Folate		E
	Free T3		A B C D
			E
			A



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust
Issue No: 013 Issue date: 15 January 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>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum/Heparinised plasma (unless otherwise stated)	Quantitative determination of:	Using Roche Cobas 8000 e602 (C D E) module and e801(A B) SOP INT-INS-246 and INT-110	
	Electrochemiluminescence assay:		
	Free T4		A B C D E
	FSH		A D
	IGF-1		D
	Growth Hormone		D
	LH		A B D E
	Macroprolactin		B
	Parathyroid Hormone		A B C D E
	Pro BNP		A C D
	Progesterone		A D
	Prolactin		A D
	Total PSA		A D
	Rh Factor		B
	Testosterone		A D
	Thyroid Receptor Antibodies		A
	Thyroglobulin		D
	TPO		B
	Troponin T		A B C D E
	TSH		A B C D E
	Vitamin B12		A B C D E
	PIGF		C D
	sFlt-1		C D
	PIGF/sFlt-1 ratio		C D



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust
Issue No: 013 Issue date: 15 January 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>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
	Quantitative determination of: (cont'd)	Using Roche Cobas 8000 e602 module and e801 (A) c702 (All) SOP INT-INS 110 and INT-INS-246	
Serum/Heparinised plasma (unless otherwise stated) (cont'd)	Alcohol	Photometric assays:	A B C D E
Serum/Plasma/Ascitic Fluid/ PD fluid (C D)/ Pleural Fl. (B C D E), Urine	Albumin		A B C D E
	Alkaline Phosphatase		A B C D E
	Alpha-1-Antitrypsin		B
	ALT		A B C D E
Serum/Plasma/Ascitic Fluid/ Pleural fluid (B C D E), Urine	Amylase		A B C D E
	AST		A C D
	Beta 2 Microglobulin		B
	Bicarbonate		A B C D E
	Bile Acids		A
	Bilirubin		A B C D E
Serum	Ammonia		A B C D
	C3		B
	C4		B
	Caeruloplasmin		B
Serum, Plasma, Urine	Calcium		A B C D E



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
	Quantitative determination of: (cont'd)	Using Roche Cobas 8000 e602 module and e801 (A) c702 (All) SOP INT-INS 110 and INT-INS-246	
Serum/Heparinised plasma (unless otherwise stated) (cont'd)	Carbamazepine	Photometric assay:	A
	Cholesterol		A B C D
	CK		E
	Conjugated Bilirubin		A B C D
	CRP		E
Serum, Plasma, PD fluid (C D), Urine	Creatinine		A B C D
	Gamma GT		E
Serum, plasma, Sodium Fluoride EDTA plasma, PD Ascitic Fluid, CSF (B C D), Fluid (C D), Pleural fl. (B C D E) EDTA Plasma	Gentamicin		A B C D
	Glucose		A B C D
	Haptoglobin		E
	HDL cholesterol		C
	Homocysteine		A B C D
	IgA		E
	IgG		B
	IgM		B
	Iron		B
Sodium Fluoride EDTA, CSF (B C D)	Lactate		A B C D
Serum, Plasma, CSF (B C D), Pleural Fluid (B C D E)	LDH		E
Serum	Lithium		A B C D
Serum, Plasma, Urine (A)	Magnesium		E



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
	Quantitative determination of: (cont'd)	Using Roche Cobas 8000 e602 module and e801 (A) c702 (All) SOP INT-INS 110 and INT-INS-246	
Serum/Heparinised plasma (unless otherwise stated) (cont'd)	Paracetamol	Photometric assay:	A B C D E
Serum, Plasma, Urine	Phenytoin		A D
	Phosphate		A B C D E
	Salicylate		A B C D E
	Theophylline		A D
Serum, Plasma, Ascitic Fluid, CSF (B C D) PD fluid (C D) Pleural FI (B C D E), Urine	Tobramycin		B C D
	Total Protein		A B C D E
	Transferrin		A B C D E
	Triglycerides		A B C D E
Serum, Plasma,Urine	Urate		A B C D E
Serum,Plasma,Urine, PD fluid (C D)	Urea		A B C D E
	Vancomycin		A B C D
		Using Roche Cobas 8000 c702 SOP INT-INS 110 and INT-INS-271 Turbidimetric immunoassay	
Faeces	Faecal immuno elastase	Buhlmann fPELA turbo test	B
	Calprotectin	Buhlmann fCAL turbo test	B
		Using Roche Cobas 8000 c801 (A) and c702 (E) module FIT FOB Gold NG Wide homogenous latex based immunoassay	
Faeces	Faecal Haemoglobin measurement (FIT)		A E



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust
Issue No: 013 Issue date: 15 January 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>Biochemical examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum, Plasma, Urine	Chloride	Roche Cobas 8000 ISE module ISE principles INT-INS-250 AND INT-INS-246	A B C D E
Serum/Plasma, Urine	Potassium		A B C D E
Serum, plasma,Urine	Sodium		A B C D E
CSF	Xanthochromia	Northstar (Uvikon) Spectrophotometer INT-SOP-126	B C D
Serum, Plasma, Urine	Osmolality	Advance instruments Osmometer using Freezing point depression INT-SOP-26	A B C D
Sweat	Chloride	Sherwood Scientific Chloride Meter (Macroduct Iontophoresis System) INT-INS-243 INT-SOP-84	A B C D
Heparinised Blood	pH Glucose Sodium Potassium Ionised Calcium Lactate Haemoglobin Haematocrit Chloride Carboxyhaemoglobin Methaemoglobin pCO2 pO2	Roche Cobas b123 Blood gas analyser using POCT-2: Sensor Sensor Spectrophotometry Sensor Co-oximetry Sensor	A B D



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturers instructions for	
Urine	Bence Jones protein	Electrophoresis and immunofixation using Helena SAS-3 and SAS-4 systems INT-SOP-136 and 137:	B
Serum	Cryoglobulins	Electrophoresis using Helena Nexusanalyser:	B
Serum	Abnormal proteins detected from above methods	INT-SOP-137	B
Serum	Serum Free Kappa Light chains Serum Free Lambda light chains Light chains ratio	Optilite Analyser (binding site) INT-SOP-131	B
Serum	Adrenal Antibodies ANA (Hep2) ANCA Crithidia Endomysial antibodies IgG/IgA Mitochondrial antibodies SM Antibodies GPC antibodies LKM antibodies Ovarian antibodies Phemphigus/phemgoid antibodies Purkinje cell antibodies Ribosomal antibodies Striated muscle antibodies	Manual method using indirect Immunofluorescence and microscopy INT-SOP-21	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum	Confirmatory tests : ENA antibodies LKM antibodies Mitochondrial antibodies Purkinje antibodies Neuronal antibodies	Manual immunoblotting method using Euroblot Assays INT-SOP-22:	B
Whole blood	Detection of the following: ENA blot: Ro60, Ro52, La, Sm, RNP, SCL-70 and Jo-1 Liver blot: SLA/LP, M2, LC-1 and LKM Mito blot: M2, M4 and M9 Neuronal blot: Yo, Hu, Amphiphysin, CV2, Ri and Ma2/Ta	Immunoblotting using Euroline Blotmaster INT-SOP-161	B
Serum	Functional abs: Haemophilus IgG Neumococcal IgG Tetanus IgG Intrinsic factor antibodies	Best 2000 using ELISA INT-SOP-42:	B
Whole Blood	Lymphocyte subsets: CD4 CD8 CD19 CD56 CD3 Memory B Cell test Neutrophil function test (DHR) HLA B27	Beckman Coulter Navios and TQ Prep analysers using Flow cytometry: INT-SOP-40INT-SOP-79 INT-SOP-42	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum/Plasma	<p>Autoantibodies:</p> <p>ANCA (MPO/PR3)</p> <p>Cardiolipin IgG</p> <p>CCP antibodies</p> <p>ENA antibodies</p> <p>Gliadin IgG/IgA</p> <p>GBM antibodies</p> <p>Tissue Transglutaminase ab</p> <p>Ribosomal P ab</p> <p>Ds DNA</p> <p>IgG precipitans to:</p> <p>Farmers Lung</p> <p>A.fumigatus (m3)</p> <p>Avain (Ge90,Ge91,Ge92)</p> <p>Budgie (Ge90)</p> <p>C.albicans (m5)</p> <p>M.faeni (Gm22)</p> <p>Parrot (Ge92)</p> <p>Pigeon (Ge91)</p> <p>T.vulgaris (Gm23)</p> <p>Total IgE</p> <p>Mast cell tryptase</p> <p>Specific IgE as follows:</p> <p>Grass (g6)</p> <p>Grass Mix (gx 3)</p> <p>Rape Pollen (w207)</p> <p>Lupin (w207)</p> <p>Weed mix (wx3)</p> <p>Silver birch (t3)</p> <p>Olive (t9)</p> <p>Tree pollen mix (tx8)</p> <p>House dust mite (d1)</p> <p>Cat (e1)</p> <p>Horse (e3)</p> <p>Dog (e5)</p> <p>Guinea pig (e6)</p> <p>Rat epithelium (e73)</p> <p>Budgie droppings (e77) (e200)</p>	<p>Immunocap 250 using Fluorescent enzyme immunoassay:</p> <p>INT-SOP-41</p>	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum/Plasma (cont'd)	<p>Specific IgE:</p> <p>Budgie feathers (e78) (e201)</p> <p>Rabbit (e82)</p> <p>Hamster (e84)</p> <p>Chicken feathers (e85)</p> <p>Mouse epithelium (e88)</p> <p>Parrot feathers (e213)</p> <p>Pigeon feathers (e215)</p> <p>Chicken droppings (e218)</p> <p>Poultry feather mix (ex17)</p> <p>Caged bird feather mix</p> <p>Nut mix (fx1)</p> <p>Seafood mix (fx2)</p> <p>Cereal mix (fx3)</p> <p>Food mix (fx5)</p> <p>Fruit mix (fx17)</p> <p>Nut mix 2 (fx22)</p> <p>Meat mix 2 (fx23)</p> <p>Citrus fruit mix (fx29)</p> <p>Spice mix (fx71)</p> <p>Spice mix 2 (fx72)</p> <p>Meat mix 1 (fx73)</p> <p>Egg white (f1)</p> <p>Milk (f2)</p> <p>Cod (f3)</p> <p>Wheat (f4)</p> <p>Rye (f5)</p> <p>Barley (f6)</p> <p>Oat (f7)</p> <p>Corn-Maize (f8)</p> <p>Rice (f9)</p> <p>Sesame seed (f10)</p> <p>Pea (f12)</p> <p>Peanut (f13)</p> <p>Soya bean (f14)</p> <p>White bean (f15)</p> <p>Hazelnut (f17)</p> <p>Brazil nut (f18)</p> <p>Almond (f20)</p> <p>Crab (f23)</p> <p>Shrimp (f24)</p>	<p>Immunocap 250 using Fluorescent enzyme immunoassay:</p> <p>INT-SOP-41</p>	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum/Plasma (cont'd)	Specific IgE: (cont'd) Tomato (f25) Pork (f26) Beef (f27) Carrot (f31) Orange (f33) Potato (f35) Coconut (f36) Blue Mussel (f37) Tuna (f40) Salmon (f41) Haddock (f42) Strawberry (f44) Yeast (f45) Garlic (f47) Onion (f48) Apple (f49) Egg yolk (f75) Hard cheese (f81) Chicken meat (f83) Kiwi (f84) Celery (f85) Melon (f87) Mustard (f89) Mango (f91) Banana (f92) Cacao (f93) Pear (f94) Peach (f95) Avocado (f96) Pecan nut (f201) Cashew nut (f202) Pistachio nut (f203) Lemon (f208) Pineapple (f210) Blackberry (f211) Mushroom (f212) Paprika/sweet pepper/capsicum (f218) Coffee (f221) Lentil (f235)	Immunocap 250 using Fluorescent enzyme immunoassay: INT-SOP-41	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum/Plasma (cont'd)	<p>Specific IgE: (cont'd)</p> <p>Cherry (f242)</p> <p>Pine nut (f253)</p> <p>Plum (f255)</p> <p>Walnut (f256)</p> <p>Grape (f259)</p> <p>Chilli pepper (f279)</p> <p>Curry-Santa Maria (f281)</p> <p>Turkey meat (f284)</p> <p>Sweet chestnut (f299)</p> <p>Lime (f306)</p> <p>Green bean (f315)</p> <p>Rape seed (f316)</p> <p>Raspberry (f343)</p> <p>Omega-5-gliadin (f416)</p> <p>Honey Bee (i1)</p> <p>Common Wasp (i3)</p> <p>Mosquito (i71)</p> <p>Bumblebee (i205)</p> <p>A.fumigatus (m3)</p> <p>Mould mix (mx1)</p> <p>Latex (k82)</p> <p>Sunflower seed (k84)</p> <p>Maxitase (k204)</p> <p>Savinase (k205)</p> <p>Penicillin G (c1)</p> <p>Penicillin V (c2)</p> <p>Amoxicillin (c6)</p> <p>Chlorohexidine (c8)</p> <p>Gelatin (c74)</p> <p>Suxamethonium (c202)</p> <p>Morphine (c260)</p> <p>nGal d 2 Ovalbumin (f232)</p> <p>nGal d 1 Ovomucoid (f233)</p> <p>nGal d 3 Conalbumin (f323)</p> <p>rAra h 8 Peanut (f352)</p> <p>rGly m 4,soya (f353)</p> <p>rAra h 1 Peanut (f422)</p> <p>rAra h 2 Peanut (f423)</p> <p>rAra h 3 Peanut (f424)</p> <p>cCor a 8 Hazelnut (f428)</p>	<p>Immunocap 250 using Fluorescent enzyme immunoassay: INT-SOP-41</p>	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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>Immunological examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturers instructions for	
Serum/Plasma (cont'd)	Specific IgE: (cont'd) rAra h 9 Peanut (f427) rCor a 1 Hazelnut (f428) rCor a 14 Hazelnut (f439) rCor a 9 Hazelnut (f440) rJug r 1 Walnut (f441) rJug r 3 LTP Walnut (f442) rAna o 3 Cashew nut (f443) rBet v 2 Profilin Birch (t216) r Bet v 1 PR-10 Birch (t215) rApi m 1 phospholipase A2 Honey bee (i208) rVes v 5 Common Wasp (i209) rVes v 1 phospholipase A1 common wasp (i211) MUXF3 CCD Bromelin (o214)	Immunocap 250 using Fluorescent enzyme immunoassay: INT-SOP-41	B
Whole blood	Endo IgA and IgG, crithidia, skin, paraneoplastic, islet cell, adrenal, and ovarian antibodies.	Indirect Immunofluorescence (IIF) using Quantalyser QL3000 INT-SOP-162	B



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust
Issue No: 013 Issue date: 15 January 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>Andrology examination activities for the purposes of clinical diagnosis</u>		
Semen	<u>Post vasectomy</u> Detection of sperm Sperm concentration	Based on 2016 Laboratory guidelines for post vasectomy semen analysis: Association of Biomedical Andrologists, the British Andrology Society and the British Association of Urological Surgeons), manual method using large volume chambers / manual microscopy and documented in-house procedures INT-SOP-101 INT-INS-115	A D
Semen	<u>Fertility testing</u> pH Sperm morphology excluding TZI scoring Sperm concentration Sperm motility	Based on WHO laboratory manual for the examination and processing of human semen (Sixth edition 2021), manual method / documented in-house procedure INT-SOP-37 Colorimetric strips Stained slides (Papanicolau) microscopy (Bright field) Improved Neubauer counting chambers and Microscopy (Phase contrast) Microscopy (Phase contrast)	A D



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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
<p>HUMAN BODY TISSUE AND FLUIDS</p> <p>FFPE Non-gynae cytology cell Blocks</p> <p>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens</p>	<p><u>Histopathological examination activities for the purposes of clinical diagnosis</u></p> <p>Basophilic and Eosinophilic structures</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Supported by:</p> <p>Tissue Dissection: Manual methods using documented procedures INT-SOP-4, INT-SOP-120, INT-SOP-117, INT-SOP-118, INT-SOP-119, INT-SOP-116, INT-SOP-134</p> <p>Cryotomy: Leica cryostat INT-SOP-8</p> <p>Tissue Processing: Using the Leica Peloris and Eprexia Revos INT-SOP-2, INT-SOP-152</p> <p>Embedding: INT-SOP-3 Using Thermo Histostar</p> <p>Section Cutting: INT-SOP-3 Thermo Paratrimmer Using Leica microtomes</p> <p>Automated H&E staining using Sakura Prism Plus with integrated G2 coverslipper. INT-SOP-6</p>	<p>C</p>



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUE AND FLUIDS (cont'd)	<u>Histopathological examination activities for the purposes of clinical diagnosis</u> (cont'd)	Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):	C
FFPE and Non-gynae cytology cell blocks	Special staining of histopathology examinations to assist in detection of clinical abnormalities:	Special staining In-house manual documented procedures based on manufacturers' manuals as relevant using : Agilent Artisan Link stainer, Thermo Stain Mate stainer INT-SOP-10	
	Acid Mucins/Neutral Mucins	Alcian Blue Periodic Acid Schiff (PAS)	
	Carbohydrates and Mucins	PAS	
	Amyloid	Congo Red	
	Elastin, Connective tissue	Verhoeffs Elastin van Gieson	
	Connective tissue, muscle	Masson Trichrome	
	Copper associated Protein	Orecin stain (Shikata)	
	Fungi	Grocotts Hexamine silver	
	Iron deposition	Perl's Prussian Blue	
	Reticulin	Gordon and Sweet's silver impregnation	
	Spirochetes, H.pylori	Warthin Starry stain	
	Acid fast bacilli	Ziehl Nielsen	
	Bacteria	Manual staining: Gram stain	
	<u>Immunohistochemistry examination activities for detection of:</u>	Immunohistochemistry Microscopic examination supported by in-house documented procedures based Leica Bond III: Using SOPs INT-SOP-10	C
FFPE	Epithelial Cells	AE1/AE3	
	Benign and malignant prostate	AMACR/P63	
	Normal Germinal centre T	Bcl2	
	Cells and Mantle Zone B cells		
	Epithelial cells	BerEP4	
	Ovarian Epithelial cells	CA125	
	Smooth muscle cells	Caldesmon	
	Mesothelial cells, normal testis	Calretinin	
	Epithelial cells	Cam 5.2	
	T Cells	CD3	



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry examination activities for detection of:</u> (cont'd)	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Leica Bond III: Using SOPs INT-SOP-10	C
FFPE (cont'd)	Germinal centre cells of Tonsil, endometrial stromal cells, normal kidney B Cells Hodgkin cells, Reed-Sternberg cells Endothelial cells Endothelial cells Lymphocytes Neuroendocrine cells Macrophages B cells Mast cells, Stem cells, Cajal cells, melanocytes, basal (skin) and mammary duct epithelial Neuroendocrine cells CEA glycoproteins Squamous epithelium Epithelial cells Thyroid follicular cells Colonic epithelial cells Basal cells, filamentous keratins from glandular to stratified squamous Mesothelioma Cytomegalovirus Striated and smooth muscle cells Gastro Intestinal Stromal tumours (GIST)	CD10 CD20 CD30 CD31 CD34 CD45 CD56 CD68 CD79a CD117 Chromogranin A CEA CK 5/6 CK7 CK19 CK20 CK34BE12 (HMWCK) Claudin 4 CMV Desmin DOG-1 D240 ERG E-Cadherin EMA ER (EP1)	
	Normal duct epithelial cells, ductal carcinoma Normal and neoplastic epithelium Normal Breast, breast carcinoma		



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUE AND FLUIDS (cont'd)	<u>Immunohistochemistry examination activities for detection of:</u> (cont'd)	Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Leica Bond III: Using SOPs INT-SOP-10	C
FFPE (cont'd)	Epithelial cells breast and bladder Placental syncytiotrophoblasts and cytotrophoblasts Hepatocytes Melanocytes Leydig and Sertoli cells in testis Neuroendocrine tumors Proliferating cells in germinal centres Melanocytes Germ Cells Epithelial cells of urogenital tract Human Papilloma Virus Squamous epithelium Colonic adenocarcinoma Basal cells and squamous cells Breast carcinoma Prostate secretory and ductal epithelium Melanocytes Schwann cells, nerve processes, melanocytes Smooth muscle cells Neuroendocrine cells Thyroid follicular cells Thyroid follicular cells Epithelial cells and mesenchymal cells Fallopian tube epithelial cells, Renal glomeruli	GATA 3 Glypican HepPar1 HMB45 Inhibin INSM1 Ki-67 (MIB1) Melan A NKX3.1 OCT 3 / 4 PAX 8 P16 P57 P40 P53 P63 PR PAP SOX 10 S100 SMH Synaptophysin SATB2 SALL4 Thyroglobulin TTF-1 Vimentin WT1	



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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
<p>HUMAN BODY FLUIDS</p> <p>Fine needle aspirations (various sites) Serous effusions (pleural, ascitic, pericardial) Urine Cyst Fluids Peritoneal Washings Cerebrospinal Fluid</p> <p>Air dried prepared slides of above</p>	<p><u>Diagnostic Cytopathology (Non-Gynaecological) examination activities for the purposes of clinical diagnosis</u></p> <p>Examination of cellular material in order to identify or exclude morphological and cytological abnormalities</p>	<p>Macroscopic and microscopic examination</p> <p>Documented in-house procedures In conjunction with manufacturer's instructions for Thermo Cytospin 4 and Sakura Prism PlusStainer with integrated G2 coverslipper Using INT-SOP-62, INT-SOP-6 INT-INS-34 Automated staining PAP and H&E stain Manual staining Giema And light microscopy</p>	C
<p>HUMAN BODY TISSUE AND FLUIDS</p> <p>Slides of stained preparations derived from Human tissue and fluids</p> <p>Whole slides of stained preparations</p>	<p><u>Cellular Pathological examination activities for the purposes of clinical diagnosis</u></p> <p>Morphological assessment and diagnosis</p> <p>Morphological assessment and diagnosis</p>	<p>Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):</p> <p>Olympus / Nikon Microscopes light and fluorescence using INT-SOP-99 Ctology Microscopy and RCPATH guidelines</p> <p>Digital scanning (Whole Slide Imaging – WSI) using Hamamatsu S360 and S60; Dynamyx software INT-SOP-146</p>	<p>C</p> <p>C</p>



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUE AND FLUIDS (cont'd)	<u>Serological examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: 'Documented In-House Methods to meet the requirements of the IDPS Programme handbook as defined in the current version of 'infectious diseases in pregnancy screening: laboratory QA evidence requirements' for antenatal screening (relevant targets marked *). Roche Cobas 8000 e801 using electrochemiluminescence immunoassay INT-INS-110 INT-INS-246	B
Serum	Hepatitis B surface Antigen HIV Ab/Ag * Hepatitis B surface antibody * Hepatitis B core Antibody Hepatitis C antibody Syphilis Total Antibody *		



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUES AND FLUIDS (cont'd)	<u>Serological examination activities for the purpose of clinical diagnosis</u> (cont'd)	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified: Diasorin Liaison XL using CLIA and SOP INT-SOP-148	B
Serum	HIV Ag/Ab VZ IgG Measles IgG Mumps IgG CMV IgG CMV IgM EBV VCAG EBV CAM EBV NAG Rubella IgG Toxoplasma IgG Mycoplasma IgG Parvovirus IgG Parvovirus IgM Hepatitis E IgG & IgM Hepatitis B e Antigen (HBeAg) Hepatitis B e antibody(HBeAb) Hepatitis B anti-core IgM		B
Serum	Syphilis TPHA and RPR	Arlington Scientific TPHA and RPR manual kits	B
Plasma Faeces Faeces	HBsAg Interferon Gamma GDH Helicobacter pylori antigen		
Faeces	C. difficile GDH	Dynex DS2 using Enzyme linked immunoassay: INT-SOP-14	D
Serum	HIV ab/ag confirmation	Biorad HIV Geenius using immunochromatography INT-INS-285	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUES AND FLUIDS (cont'd)	<u>Molecular examination activities for the purpose of clinical diagnosis</u>	In-house documented procedures using manual methods or analysers in conjunction with manufacturers' instructions as specified:	B
Genital Swab/Urine	Chlamydia DNA N.gonorrhoeae DNA T.vaginalis DNA M.genitalium DNA	Abbott AlinityM system using PCR:	B
Plasma/serum	Hepatitis C viral loads		
Nose/Throat swabs	HIV 1 viral load SARS CoV 2 Influenza A Influenza B RSV		
Faeces Genital swabs, Ocular swabs and urine	SARS CoV2 Flu A/B RSV Norovirus N.gonorrhoeae confirmation C.trachomatis confirmatio	Cepheid Genexpert using PCR	B D
DNA/RNA taken from Nose & Throat swabs in viral transport medium	Extended respiratory PCR – Sars-Cov-2, Influenza A, Influenza B, RSV, Bocavirus, Bordetella pertussis, Legionella pneumophila, Mycoplasma pneumoniae, Rhinovirus/Enterovirus, Chlamydia pneumonia, Adenovirus, Human metapneumovirus, Parainfluenza 1-4; Seasonal coronavirus OC43, NL63, HKU1 and 229E	Qiagen QiaStat PCR INT-SOP-159	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities performed for the purpose of clinical diagnosis</u>	In house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)	B D
Routine samples:	Isolation and characterisation of microorganisms of clinical significance	Manual inoculation, incubation and culture using:	
Cellular and fluid material contained on swabs, catheter tips and IUCDs		INT-SOP-128 INT-SOP-89 INT-SOP-71 INT-SOP-52 INT-SOP-72	
Aspirates			
Fluids			
Genital samples			
Pus			
Samples from sterile sites			
Semen			
Tissues/Bone			
Urine			
Swabs , Fluids, urines, tips and sputum	Isolation of MRSA	Manual culture on chromogenic agar using SOP INT-SOP-29	B D
Urine	Quantification of white and red blood cells, bacteria and epithelial cells	Automated urinalysis, image capture and recognition using: SOP INT-SOP-128 and IRIS IQ 200	
Blood	Detection of microbial growth and general isolation and characterisation of micro-organisms of clinical significance	Liquid media culture using SOP INT-SOP-54 in conjunction with manufacturers instructions for Biomerieux BacTAlert 3D	
CSF, CAPD, Ascitic fluid	Detection and identification of White blood cells and red blood cells	Light microscopy and counting chamber: INT-SOP-50	
Genital swabs	Tricho Bacterial vaginosis	Light microscopy using wet prep and gram stain: INT-INS-263	B D



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities performed for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)	B D
CSF / Ascitic	General isolation and characterisation of micro-organisms of clinical significance	Manual inoculation and media culture using SOPs INT-SOP-50, INT-SOP-52	
Respiratory specimens :	General isolation and characterisation of micro-organisms of clinical significance	Manual media culture using SOPs INT-SOP-73	
Sputum Bronchoalveolar lavage Bronchial aspirate, brushings and washings Cellular material contained on swabs Endotracheal tube specimens Nasopharyngeal aspirate Pleural fluid			
Faeces	General isolation and characterisation of <i>Salmonella</i> , <i>Shigella</i> , <i>Campylobacter</i> & <i>E. coli</i> 0157	Manual culture and using selective agar with SOP INT-SOP-51	
Faeces and bowel contents	Detection of <i>Clostridium difficile</i> GDH antigen and toxins A & B	Quik chek tox A/B Immunochromatographic assay using SOP INT-INS-259	
Swabs/Faeces	CPE producing bacteria	Manual culture and using chromogenic agar with SOP INT-SOP-29	
Isolates of Enterobacterales	Carbapenemase detection	NG-Biotech Laboratories NG-test Carba5 manual method	B D



8833
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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities performed for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)	
Bacterial cultures (isolated in-house)	Identification and characterisation of micro-organisms	Manual and/or automated identification methods using : SOPs INT-INS-259, INT-SOP-74, INT-SOP-91 Automated methods using Vitek 2 and Vitek compact	B D
Bacterial cultures (isolated in-house) Blood Urine	Antimicrobial susceptibility testing and determination of minimum inhibitory concentration (MIC)	SOP INT-SOP-67 by manual disk diffusion using EUCAST guidelines and MIC determination using E-Tests Automated testing by Vitek 2 INT-SOP-91 and Vitek Compact. Direct susceptibility testing on Blood cultures and urines by EUCAST methodology	B D
Faeces, fluids, urine & perianal swabs, sellotape slide and suspected parasitic material	Examination for the presence of parasites (ova, cysts, trophozoites and worms including cryptosporidia) of clinical significance	Unstained and iodine stained direct microscopic examination and/or Formol-ether faecal concentration and microscopic examination using: SOPs INT-SOP-51, INT-INS-263	B D
Skin, Hair and nail clippings	Isolation and identification of clinically significant dermatophyte fungi and yeasts	Manual inoculation, media culture, and macroscopic & microscopic examination (stained & unstained) Using INT-SOP-87	B
Sputum, BAL, pleural fluids, tissue	Acid Fast Bacilli	Fluorescent microscopy using Auramine phenol stain and INT-SOP-90 and INT-SOP-263	B D
Sputum, BAL, pleural fluids, tissue	Isolation and presumptive identification of Acid-alcohol fast bacilli (inc. <i>Mycobacterium</i> spp.)	Liquid culture, auramine phenol staining and incident-light fluorescence microscopy and confirmation ZN staining using light microscopy using: INT-SOP-90, INT-INS-263 in conjunction with Biomerieux BacTAlert 3D and LJ culture slopes	B



8833

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

Northern Lincolnshire and Goole NHS Foundation Trust

Issue No: 013 Issue date: 15 January 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 TISSUES AND FLUIDS (cont'd)	<u>Microbiological examination activities performed for the purpose of clinical diagnosis</u> (cont'd)	In house documented procedures following current Public Health England (PHE) Standards for Microbiological Investigations (SMIs)	B D
Faeces	Detection of Rotavirus	Immunocard Stat RV kit Immunochromatographic assay SOP INT-INS-259	
NPA	Detection of RSV	IBinax NOW RSV mmunochromatographic assay SOP INT-INS-259	
Aspirates Corneal scrapes Eye (specimens from) Fluids Tissues Bone CSF Ascitic fluids Gum Swabs	Detection and identification of: White blood cells Red blood cells Bacterial cells Yeast cells and fungal hyphae Vincent's organisms	Staining (inc. Gram) and microscopic examination using: INT-INS-263	
Urine	Detection of Legionella urinary antigen	Meridian TRUImmunochromatographic assay using SOP INT-INS-259	B D
Urine	Detection of S.pneumoniae urine antigen	Meridian TRU Immunochromatographic assay using SOP INT-INS-259	B D
END			