

# 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 9550</p> <p>Accredited to ISO 15189:2012</p>	<h3>Doncaster &amp; Bassetlaw Teaching Hospitals NHS Foundation Trust</h3> <p>Issue No: 001    Issue date: 27 September 2018</p>	
	<p><b>Doncaster &amp; Bassetlaw NHS Foundation Trust</b> Pathology Services Doncaster Royal Infirmary Armthorpe Road Doncaster DN2 5LT</p>	<p><b>Contact: Ms Fiona Dunn</b> Tel: +44 (0)1302 642820 E-Mail: Fiona.dunn2@nhs.net Website: www.dbth.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details		Activity	Location code
<p><b>Address</b> Pathology Department Doncaster Royal Infirmary Armthorpe Road Doncaster DN2 5LT</p>	<p><b>Local contact</b> Ms Fiona Dunn Tel: +44 (0)1302 642820 E-Mail: Fiona.dunn2@nhs.net</p>	<p>Andrology Blood Transfusion Haematology Clinical Biochemistry Immunology Microbiology Virology Cellular Pathology Phlebotomy Mortuary Services Body Storage Facilities Blood Issue fridge</p>	DRI
<p><b>Address</b> Bassetlaw District General Hospital Blyth Road Worksop S81 0BD</p>	<p><b>Local contact</b> Ms Fiona Dunn Tel: +44 (0)1302 642820 E-Mail: Fiona.dunn2@nhs.net</p>	<p>Phlebotomy Body Storage Facilities Haematology Blood Transfusion Clinical Biochemistry</p>	BDGH
<p><b>Address</b> Montagu Hospital Mexborough Adwik Road Mexborough S64 0AZ</p>	<p><b>Local contact</b> Ms Fiona Dunn Tel: +44 (0)1302 642820 E-Mail: Fiona.dunn2@nhs.net</p>	<p>Phlebotomy Specimen Reception Body Storage Facilities Blood issue fridge</p>	MMH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Chemistry Assays Quantification of</b>	<b>Abbott Architect c16000 (DRI, CLS-SOP-528) and c4000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum / Urine	Sodium	Ion selective electrode CLS-SOP-218	DRI, BDGH
Serum / Urine	Potassium	Ion selective electrode CLS-SOP-218	DRI, BDGH
Serum / Urine	Urea	Enzymatic CLS-SOP-227	DRI, BDGH
Serum / Urine	Creatinine	Enzymatic CLS-SOP-216	DRI, BDGH
Serum	eGFR	Calculated eGFR/EPI formula CLS-SOP-697	DRI, BDGH
Serum	Calculated AKI	Nationally mandated algorithm (NHS England Alert 2015) CLS-SOP-697	DRI, BDGH
Serum / Urine	Creatinine Clearance	Calculated using standard formula CLS-SOP-697	DRI, BDGH
Serum	Total Protein	Colourimetric CLS-SOP-300	DRI, BDGH
Serum	Albumin	Colourimetric CLS-SOP-207	DRI, BDGH
Serum	Alkaline Phosphatase	Enzymatic CLS-SOP-208	DRI, BDGH
Serum	ALT	Enzymatic CLS-SOP-205	DRI, BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Chemistry Assays Quantification of</b>	<b>Abbott Architect c16000 (DRI, CLS-SOP-528) and c4000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	Total Bilirubin	Colourimetric CLS-SOP-226	DRI, BDGH
Serum	Conjugated Direct Bilirubin	Colourimetric CLS-SOP-223	DRI, BDGH
Serum / Urine	Calcium	Colourimetric CLS-SOP-214	DRI, BDGH
Serum / Urine	Phosphate	Colourimetric CLS-SOP-225	DRI, BDGH
Serum	Calcium (Albumin Adjusted)	Calculation based on ACB Position paper 2015 equation	DRI, BDGH
Serum	Triglyceride	Enzymatic CLS-SOP-299	DRI, BDGH
Serum	Total Cholesterol	Enzymatic CLS-SOP-215	DRI, BDGH
Serum	HDL Cholesterol	Accelerator Selective Detergent Enzymatic CLS-SOP-285	DRI, BDGH
Serum	LDL Cholesterol	Friedwald Equation CLS-SOP-701	DRI, BDGH
Serum	Non-HDL Cholesterol	As per NICE CG 181 CLS-SOP-701	DRI, BDGH
Lithium Heparin Plasma	Ammonia	Enzymatic CLS-SOP-209	DRI, BDGH
Serum / Urine	Amylase	Enzymatic CLS-SOP-210	DRI, BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>  <b>Chemistry Assays Quantification of</b>	Documented in house methods and manufacturer's instructions for:  <b>Abbott Architect c16000 (DRI, CLS-SOP-528) and c4000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	AST	Activated Enzymatic CLS-SOP-206	DRI, BDGH
Serum	Bicarbonate	Enzymatic CLS-SOP-373	DRI, BDGH
Serum/Urine	Chloride	Ion selective electrode CLS-SOP-218	DRI, BDGH
Serum	Creatine Kinase	Enzymatic CLS-SOP-230	DRI, BDGH
Serum	C Reactive Protein	Latex immunoassay turbidimetric CLS-SOP-222	DRI, BDGH
Serum	Digoxin	Particle enhanced turbidimetric inhibition immunoassay CLS-SOP-283	DRI, BDGH
Fluoride Oxalate plasma	Ethanol	Enzymatic CLS-SOP-231	DRI, BDGH
Serum	Gamma GT	Enzymatic CLS-SOP-217	DRI, BDGH
Fluoride Oxalate Plasma/CSF	Glucose	Enzymatic CLS-SOP-284	DRI, BDGH
Serum	Iron	Colourimetric CLS-SOP-219	DRI, BDGH
Fluoride Oxalate Plasma	Lactate	Enzymatic CLS-SOP-220	DRI, BDGH
Serum	LDH	Enzymatic CLS-SOP-233	DRI, BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>  <b>Chemistry Assays Quantification of</b>	Documented in house methods and manufacturer's instructions for:  <b>Abbott Architect c16000 (DRI, CLS-SOP-528) and c4000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	Lithium	Colourimetric CLS-SOP-292	DRI, BDGH
Serum/Urine	Magnesium	Colourimetric CLS-SOP-224	DRI, BDGH
Urine	Microalbumin	Immunoturbidimetric CLS-SOP-293	BDGH
Serum	Paracetamol	Enzymatic/Colorimetric CLS-SOP-297	DRI, BDGH
Serum	Salicylate	Enzymatic/Colorimetric CLS-SOP-254	DRI, BDGH
CSF/Urine	Protein	Turbidimetric CLS-SOP-140	DRI, BDGH
Serum/Urine	Uric Acid	Enzymatic CLS-SOP-367	DRI, BDGH
Serum	Alpha-1 Antitrypsin	Immunoturbidimetric CLS-SOP-256	DRI
Serum	Angiotensin Converting Enzyme	Enzymatic CLS-SOP-257	DRI
Serum	$\beta$ -2 Microglobulin	Immunoturbidimetric CLS-SOP-228	DRI
Serum	Bile Acids	Enzymatic CLS-SOP-211	DRI
Serum	Complement C3	Immunoturbidimetric CLS-SOP-212	DRI
Serum	Complement C4	Immunoturbidimetric CLS-SOP-213	DRI
Serum	Haptoglobin	Immunoturbidimetric CLS-SOP-232	DRI
Serum	Immunoglobulins IgG	Immunoturbidimetric CLS-SOP-287	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Chemistry Assays Quantification of</b>	<b>Abbott Architect c16000 (DRI, CLS-SOP-528) and c4000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	Immunoglobulins IgM	Immunoturbidimetric CLS-SOP-288	DRI
Serum	Immunoglobulins IgA	Immunoturbidimetric CLS-SOP-286	DRI
Serum	Phenobarbitone	Turbidimetric inhibition immunoassay CLS-SOP-234	DRI
Serum	Phenytoin	Enzyme Immunoassay CLS-SOP-235	DRI
Serum	Rheumatoid Factor	Immunoturbidimetric CLS-SOP-298	DRI
Serum	Theophylline	Enzyme Immunoassay CLS-SOP-253	DRI
Serum	Transferrin	Immunoturbidimetric CLS-SOP-302	DRI, BDGH
Serum	Valproate	Turbidimetric inhibition immunoassay CLS-SOP-255	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
Urine	<b>Drugs of Abuse:</b> Semi-quantitative assays, reported qualitatively:	<b>Documented procedures &amp; manufacturer's instructions for Abbott Architect c16000 (CLS-SOP-528) analyser with specific reference to:</b>	
	Amphetamines	Enzyme Immunoassay CLS-SOP-672	DRI
	Barbiturates	Enzyme Immunoassay CLS-SOP-671	DRI
	Benzodiazepines	Enzyme Immunoassay CLS-SOP-677	DRI
	Cocaine metabolites	Enzyme Immunoassay CLS-SOP-679	DRI
	Opiates	Enzyme Immunoassay CLS-SOP-680	DRI
	Methadone Metabolites	Enzyme Immunoassay CLS-SOP-683	DRI
	Cannabinoids	Enzyme Immunoassay CLS-SOP-678	DRI
	Propoxyphene	Enzyme Immunoassay CLS-SOP-681	DRI
	Heroin Metabolite (6-AM)	Enzyme Immunoassay CLS-SOP-682	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Immunoassay: Detection &amp; Quantitative Determination of:</b>	<b>Documented procedures &amp; manufacturer's instructions for Abbott Architect I2000 (DRI, VIR-SOP-20) and I1000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	Total $\beta$ HCG	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-316	DRI, BDGH
Lithium Heparin Plasma	hs Troponin I	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-221	DRI, BDGH
Serum	25-Hydroxy-Vitamin D	1-Step Competitive Chemiluminescent Immunoassay CLS-SOP-512	DRI
EDTA Plasma	B-Type Natriuretic Peptide	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-175	DRI
Serum	Cortisol	1-Step Competitive Chemiluminescent Immunoassay CLS-SOP-179	DRI
Serum	DHEAS	1-Step Competitive Chemiluminescent Immunoassay CLS-SOP-180	DRI
Serum	Ferritin	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-182	DRI
Serum	Folate	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-183	DRI
Serum	FSH	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-184	DRI
Serum	Free T3	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-185	DRI





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Immunoassay: Detection &amp; Quantitative Determination of:</b>	<b>Documented procedures &amp; manufacturer's instructions for Abbott Architect I2000 (DRI, VIR-SOP-20) and I1000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	LH	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-311	DRI
Serum	Oestradiol	1-Step Competitive Chemiluminescent Immunoassay CLS-SOP-181	DRI
Serum	Progesterone	1-Step Competitive Chemiluminescent Immunoassay CLS-SOP-310	DRI
Serum	Prolactin	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-315	DRI
Serum	Macroprolactin	PEG Precipitation CLS-SOP-315	DRI
Serum	Prostate Specific Antigen	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-314	DRI
EDTA Plasma	Parathyroid Hormone	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-312	DRI
Serum	Sex Hormone Binding Globulin	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-313	DRI
Serum	Testosterone	1-Step Competitive Chemiluminescent Immunoassay CLS-SOP-190	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Immunoassay: Detection &amp; Quantitative Determination of:</b>	<b>Documented procedures &amp; manufacturer's instructions for Abbott Architect I2000 (DRI, VIR-SOP-20) and I1000 (BDGH, CLS-SOP-372) analyser with specific reference to:</b>	
Serum	TSH	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-189	DRI
Serum	Free T4	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-188	DRI
Serum	Vit B 12	2-Step Competitive Chemiluminescent Immunoassay CLS-SOP-174	DRI
Serum	Thyroid Peroxidase Antibodies	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-173	DRI
Serum	AFP	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-172	DRI
Serum	CA125	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-177	DRI
Serum	CA19-9	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-176	DRI
Serum	CEA	2-step Non-competitive Chemiluminescent Immunoassay CLS-SOP-178	DRI
Serum	Carbamazepine	1-step Chemiluminescence Immunoassay CLS-SOP-229	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Immunoassay: Detection &amp; Quantitative Determination of:</b>	<b>Documented procedures &amp; manufacturer's instructions for Diasorin Liaison XL analyser (VIR-SOP-33) with specific reference to</b>	
EDTA Plasma	ACTH	Sandwich chemiluminescence immunoassay CLS-SOP-162	DRI
Serum	Growth Hormone	Sandwich chemiluminescence immunoassay CLS-SOP-163	DRI
Serum	IGF-1	Sandwich chemiluminescence immunoassay CLS-SOP-164	DRI
Serum	Tumour Marker hCG	Sandwich chemiluminescence immunoassay CLS-SOP-165	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Specialist Chemistry Tests:</b>	<b>Documented procedures &amp; manufacturer's instructions for Sebia Capillary S Electrophoresis System (Capillary Zone Electrophoresis) with specific reference to:</b>	
Serum	Serum Protein Electrophoresis (Qualitative report with semi-quantitative measurement of paraproteins)	CLS-SOP-40	DRI
Serum	Protein Immunotyping (Qualitative report with semi-quantitative measurement of paraproteins)	Automated Immunological Identification of bands. CLS-SOP-40	DRI
Serum	Alkaline Phosphatase Isoenzymes (Reported qualitatively with approximate proportions)	<b>Documented procedures &amp; manufacturer's instructions for Hydrasys (Sebia) Electrophoresis System with specific reference to:</b> Electrophoresis with/without lectin treatment CLS-SOP-61	DRI
Serum / Urine	Protein Immunofixation (Qualitative report with semi-quantitative measurement of paraproteins)	Electrophoresis and Immunofixation CLS-SOP-57	DRI
Urine	Urine Protein Electrophoresis (Qualitative report with semi-quantitative measurement of paraproteins)	Electrophoresis CLS-SOP-58	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
	<b>Specialist Chemistry Tests:</b>	<b>Documented procedures &amp; manufacturer's instructions for Sebia Capillary S Electrophoresis System (Capillary Zone Electrophoresis) with specific reference to:</b>	
Serum	Cryoglobulin (Qualitative report)	In-house procedure with specific reference to published method (Ann Clin Biochem 2010; 47: 8-16) Electrophoresis CLS-SOP-145	DRI
EDTA Whole Blood	Haemoglobin A1c (Quantitative)	Cation Exchange HPLC Documented procedures & manufacturer's instructions for Tosoh G8 analyser with specific reference to: CLS-SOP-464	DRI
CSF	Xanthochromia Screen (Qualitative)	Spectrophotometry In-house procedure with specific reference to published method (Ann Clin Biochem 2008; 45:238-244) using Camspec M550 spectrophotometer - CLS-SOP-20	DRI
Urine and Faeces	Sugar Chromatography (Qualitative identification of glucose, galactose, fructose, sucrose and lactose)	In-house screening procedure using 1-Dimensional Thin Layer Sugar Chromatography 1 CLS-SOP-24	DRI
Urine	DMB SCREEN for Glycosaminoglycans - Mucopolysaccharidoses Screen (Quantitative assay reported qualitatively. Abnormal results are referred for confirmation)	Colorimetric/Spectrophotometry In-house DMB screening procedure with specific reference to published method (Clin Chem 1989; 35: 1472-1477) using Camspec M550 spectrophotometer Spectrophotometry - CLS-SOP-640	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturer's instructions for:	
Urine, Lithium Heparin Plasma and serum	<b>Specialist Chemistry Tests:</b> Amino acid TLC screen (Qualitative)	In-house screening procedure using 2-Dimensional Thin Layer Chromatography - CLS-SOP-30	DRI
Lithium heparin plasma	Galactosaemia screen (Qualitative determination of GAL-1-PUT activity)	In-house Beutler screening procedure with specific reference to published method (J Lab Clin Med 1966; 68: 137) - CLS-SOP-28	DRI
Urine	Pregnancy Testing (Qualitative)	Documented procedures & manufacturer's instructions for the Quadrantech Check4 pregnancy kit (Immunoassay) - CLS-SOP-21	DRI
Urine	Total Porphyrins (Semi-Quantitative)	In-house screening procedure with specific reference to published method (Ann. Clin. Biochem. 1988;25;392-397, Deacon) using the Camspec M550 spectrophotometer - CLS-SOP-23	DRI
Urine	Porphobilinogen (PBG) (Quantitative determination reported qualitatively)	Documented procedures & manufacturer's instructions for BioRad PBG Urine kit (anion exchange resin and colorimetric detection using Erlich's reagent) using the Camspec M550 spectrophotometer - CLS-SOP-245	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 manufacturer's instructions for:	
Sweat	<b>Specialist Chemistry Tests:</b> Sweat collection	Iontophoresis Documented procedures & manufacturer's instructions for the Wescor Sweat Collection System (Model 3700) - CLS-SOP-338	DRI
Sweat	Sweat Chloride (Quantitation and Interpretation)	Coulometry Documented procedures & manufacturer's instructions for the Sherwood model 926S Chloride Analyser - CLS-SOP-19	DRI
Sweat	Sweat Conductivity (Quantitation and Interpretation)	Electrical conductivity Documented procedures & manufacturer's instructions for the Wescor 3120 SWEAT:CHEK Sweat Conductivity Analyser CLS-SOP-19	DRI
Serum	Osmolarity	Freezing Point Depression using the Micro-Osmometer 3320 CLS-SOP-27	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<p><u>Immunology examination activities for the purposes of clinical diagnosis:</u> (cont'd)</p> <p><b><u>Autoimmune disease testing</u></b></p> <p>Detection of antibodies by immunofluorescence:</p>	<p>Documented in house methods and manufacturer's instructions for:</p> <p><b>Documented procedures &amp; manufacturer's instructions for HTZ320 analyser - processing slides: (CLS-SOP-568) and manually reading slides using the Olympus BX41 fluorescence microscope - (CLS-SOP-151) with specific reference to:</b></p>	
Serum	Anti-Nuclear Antibodies (Detection and identification of antibody pattern, with titre given for positive results)	Immunofluorescence (using Hep-2 cells) CLS-SOP-141, CLS-SOP-622	DRI
Serum	ds-DNA Antibodies (Detection, with titre given for positive results)	Immunofluorescence (using <i>Crithidia Luciliae</i> ) CLS-SOP-720	DRI
Serum	Endomysial Antibodies (Detection and qualitative reporting)	Immunofluorescence (using monkey oesophagus tissue) CLS-SOP-142	DRI
Serum	Liver, Kidney and Smooth Muscle Antibodies (Detection and identification of anti-mitochondrial, smooth muscle, gastric parietal cell and liver/kidney microsomal antibodies with titre given for positive results).	Immunofluorescence (using composite slide of rat kidney, liver and stomach tissue) CLS-SOP-63	DRI
Serum	Skin Antibodies (Detection and qualitative reporting of bullous pemphigus and bullous pemphigoid antibodies.	Immunofluorescence (using monkey oesophagus tissue) CLS-SOP-143	DRI





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Immunology examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturer's instructions for:	
	Detection of antibodies by immunofluorescence:	<b>Documented procedures &amp; manufacturer's instructions for HTZ320 analyser - processing slides: (CLS-SOP-568) and manually reading slides using the Olympus BX41 fluorescence microscope - (CLS-SOP-151) with specific reference to:</b>	
	<b>Autoimmune disease testing</b>		
Serum	Antineutrophil Cytoplasmic Antibodies (ANCA) (Detection and qualitative reporting of p-ANCA and C-ANCA)	Immunofluorescence (using ethanol and formalin fixed human neutrophils) - CLS-SOP-64	DRI
	Detection of antibodies by Fluoro Enzyme Immunoassay (FEIA):	<b>Documented procedures &amp; manufacturer's instructions for methods Thermo Scientific Phadia 250 analyser (CLS-SOP-6) with specific reference to:</b>	
Serum	Anti-proteinase 3 (Detection and quantitation)	Immunoassay - CLS-SOP-378	DRI
Serum	Anti-Myeloperoxidase (Detection and quantitation)	Immunoassay - CLS-SOP-378	DRI
Serum	Anti-Cardiolipin Antibodies (Detection and quantitation)	Immunoassay - CLS-SOP-567	DRI
Serum	Extractable Nuclear Antibodies Screen (Qualitative)	Immunoassay - CLS-SOP-379	DRI
Serum	Anti-CCP Antibodies (Detection and quantitation)	Immunoassay - CLS-SOP-5	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Immunology examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturer's instructions for:	
Serum	<b>Autoimmune disease testing</b>  Detection of antibodies by Enzyme Linked Immunosorbent Assay (ELISA):  Intrinsic Factor Antibodies (Quantitation with qualitative reporting)	Documented procedures & manufacturer's instructions for Dynex DS2 analyser (CLS-SOP-571) with specific reference to:  Immunoassay - CLS-SOP-317	DRI
Serum	<b>Allergy Related Testing</b>  Total IgE (Detection and quantitation)	Documented procedures & manufacturer's instructions for methods using Thermo Scientific Phadia 250 analyser (CLS-SOP-6) with specific reference to:  Sandwich Fluoro-Enzyme Immunoassay - CLS-SOP-169	DRI
Serum	Specific IgE (Detection and quantitation and grading of antibodies to: House Dust Mite Cat Epithelium and Dander Horse Dander Dog dander Milk Wheat Peanut	Sandwich Fluoro-Enzyme Immunoassay - CLS-SOP-377	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Immunology examination activities for the purposes of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturer's instructions for:	DRI
Serum	<b>Allergy Related Testing</b>  Specific IgE (Detection and quantitation and grading of antibodies to: Egg Timothy Grass Grass Mix Latex Nut Mixes Seafood Mix Cereal Mix Common Food Mix Fish Mix Mould Mix Inhalent Screen Silver Birch Tree Mix Weed Mix	Documented procedures & manufacturer's instructions for methods using Thermo Scientific Phadia 250 analyser (CLS-SOP-6) with specific reference to:  Sandwich Fluoro-Enzyme Immunoassay - CLS-SOP-377	
Serum	Aspergillus Precipitins – IgG (Detection and quantitation)	Sandwich Fluoro-Enzyme Immunoassay - CLS-SOP-576	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Haematological examination activities for the purposes of clinical diagnosis:</u>	Documented in house methods and manufacturer's instructions for:	HUMAN BODY FLUIDS
EDTA Whole Blood	<p><b>Full Blood Count</b> Quantification of</p> <p>Haemoglobin White Blood Cell Count Red Blood Count</p> <p>Platelet Count</p> <p>Red cell distribution width</p> <p>Haematocrit</p> <p>Mean Cell Volume Mean Cell Haemoglobin Mean Cell Haemoglobin Concentration Neutrophil count Lymphocyte count Monocyte count Eosinophil count Basophil count Nucleated Red Cells Reticulocyte count</p>	<p>Sysmex XN instrument enables quantitative and identification of tangible components of blood by means of electrical impedance, laser light scatter and dye bonding CLS-SOP-81, CLS-SOP-82 SLS - Haemoglobin Method Fluorescence Flow Cytometry Direct Current Sheath Flow Detection Method (Electrical Impedance) Direct Current Sheath Flow Detection Method (Electrical Impedance) Direct Current Sheath Flow Detection Method (Electrical Impedance) Direct Current Sheath Flow Detection Method (Electrical Impedance) Calculated from the RBC and HCT Calculated from the RBC and HCT Calculated from HCT and HGB</p> <p>Fluorescence Flow Cytometry Fluorescence Flow Cytometry Fluorescence Flow Cytometry Fluorescence Flow Cytometry Fluorescence Flow Cytometry Fluorescence Flow Cytometry Fluorescence Flow Cytometry</p>	DRI BDGH
EDTA Whole Blood	Blood film assessment for identification of morphological abnormalities and to confirm analyser findings	Blood film assessment using SP10 automated slide maker stainer or Haematek stainer utilising a May Grunwald and Giemsa stain examined by light microscopy. CLS-SOP-104, CLS-SOP-587	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	HUMAN BODY FLUIDS
EDTA Whole Blood	Blood Film Parasites to identify and speciate malarial parasites, microfilaria or trypanosomes	Microscopic analysis of thick films and thin blood films Utilising a Giemsa staining method for thin and thick films, SP10 automated slide maker stain or Haematek stainer utilising a May Grunwald and Giemsa stain for thin films CLS-SOP-118	DRI
EDTA Plasma or Serum	Infectious Mononucleosis Screening (detection of EBV)	Latex agglutination test principle using non-automated Monogen Bio-kit commercial kit CLS-SOP-111	DRI
EDTA Whole Blood	Sickle Cell Test	Solubility test principle using non – automated tcs biosciences commercial kit - CLS-SOP-112	DRI
EDTA Whole Blood	Malaria screen for detection of Plasmodium species, including P. falciparum, P. knowlesi, P. vivax, P. ovale and P. malariae	Enzymatic detection using non – automated TCS Biosciences DiaMed OptiMAL-IT Rapid Malaria commercial kit - CLS-SOP-120	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	HUMAN BODY FLUIDS
Citrated Plasma	<b>Coagulation</b>	Documented procedures & manufacturer's instructions for TOP550/350 analysers (Werfen) using immunological, turbidimetric, and chromogenic methods:	
	Prothrombin Time (PT)	Using RecombiPlastin 2G for turbidimetric quantitative determination of PT CLS-SOP-69	DRI BDGH
	INR	Calculated parameter - INR = (Patients PT/Mean of PT normal range) ISI	DRI BDGH
	Activated Partial Thromboplastin Time (APTT)	SynthASil reagents for turbidimetric quantitative determination of APTT CLS-SOP-68	DRI BDGH
	Activated Partial Thromboplastin Time Ratio Fibrinogen	Calculated parameter - ratio of APPT: Normal APTT Using Q.F.A Thrombin For the quantitative determination of fibrinogen, based on the Clauss method - CLS-SOP-71	DRI BDGH DRI BDGH
	D-Dimer	Using a latex-enhanced turbidimetric immunoassay CLS-SOP-75	DRI BDGH
	Thrombin Time	Using purified bovine thrombin for turbidimetric quantitative determination of TT CLS-SOP-72	DRI BDGH
	Anti-Phospholipid Antibodies (Lupus Screen)	Using HemosIL screen and confirm assays are qualitative assays for detection of lupus anticoagulants by the diluted Russell's Viper Venom method - CLS-SOP-73	DRI
EDTA Whole Blood	Erythrocyte Sedimentation Rate	Automated Interrliner or Inversa analyser utilising an extrapolation method of the Westergren technique CLS-SOP-103, CLS-SOP-573	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	
EDTA Whole Blood	Automated Direct Coombs Test To detect red cells that are coated in vivo with immunoglobulin and/or complement	Documented procedures & manufacturer's instructions for the IH-1000 analyser (DIAMED ID-Card System) using column agglutination technology, Polyspecific AHG and monospecific AHG reagents anti-IgG, anti-IgA, anti-IgM, anti-C3c, anti-C3d with specific reference to - CLS-SOP- 3	DRI BDGH
EDTA Whole Blood	Automated Blood Group: To determine ABO and RhD type with reverse group	Documented procedures & manufacturer's instructions for the IH-1000 analyser (DIAMED ID-Card System & ID-Diacell) using column agglutination technology and monoclonal anti-A, anti-B and anti-D (DV1-) to determine the antigens A, B, D with specific reference to - CLS-SOP- 3	DRI BDGH
EDTA Whole Blood	Automated Blood Group: To confirm ABO and RhD group	Documented procedures & manufacturer's instructions for the IH-1000 analyser (DIAMED ID-Card System) using column agglutination technology and monoclonal anti-A, anti-B and anti-D (DV1-) to determine the antigens A, B, D, with specific reference to: CLS-SOP- 3	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS	<u>Blood Transfusion examination activities for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for:	
EDTA Whole Blood	Automated Blood Group: To determine the ABO and RhD group of a Neonate	Documented procedures & manufacturer's instructions for the IH-1000 analyser (DIAMED ID-Card System) using column agglutination technology and monoclonal anti-A, anti-B, anti-AB and anti-D (DV1-) to determine the antigens A, B, D, with specific reference to - CLS-SOP- 3	DRI BDGH
EDTA Whole Blood	Automated Antibody Screen To screen for the presence atypical antibodies, to the antigens present from the following blood group systems: Rh: D, C, D, E, C, e, Cw Kell: K, k Kidd: Jka, Jkb Duffy: Fya, Fyb MNS: M, N, S, s Lewis (Lea, Leb) & Kpa are present when possible	Documented procedures & manufacturer's instructions for the IH-1000 analyser (DIAMED ID-Card System & ID-Diacell) using column agglutination technology. The screening cells have double dose expression of Rh, Duffy, Kidd and MNS antigens, with specific reference to - CLS-SOP- 3	DRI BDGH
EDTA Whole Blood	Automated Prophylax Screen: The 6 cells show the following Rh expression: R1R2 r'r r''r rr rr rr The panel of 6 cells has antigens present from the following blood group systems: Kell: K, k Kidd: Jka, Jkb Duffy: Fya, Fyb MNS: M, N, S, s Lewis: Lea, Leb	Documented procedures & manufacturer's instructions for the IH-1000 analyser (DIAMED ID-Card System & ID-DiaScreen Prophylax) using column agglutination technology. Used as an adjunct to the antibody screen on pregnant women having received anti-D prophylaxis or other patients allo-immunised with anti-D, with specific reference to: CLS-SOP- 3	DRI BDGH





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturer's instructions for:	
EDTA Whole Blood	Manual Direct Coombs test: To detect red cells that are coated in vivo with immunoglobulin and/or complement	Using the DIAMED ID-Card System (column agglutination technology, Polyspecific AHG and monospecific AHG reagents anti-IgG, anti-IgA, anti-IgM, anti-C3c, anti-C3d) – CLS-SOP-306	DRI BDGH
EDTA Whole Blood	Manual Blood Group: To determine ABO and RhD type with reverse group	Using the DIAMED ID-Card System & ID-Diacell (column agglutination technology and monoclonal anti-A, anti-B and anti-D (DV1-) to determine the antigens A, B, D. A1 and B cells are used to indicate the presence or absence of anti-A and anti-B isoagglutinins) – CLS-SOP-397	DRI BDGH
EDTA Whole Blood	Manual Blood Group: To confirm ABO and RhD group	Using the DIAMED ID-Card System (column agglutination technology and monoclonal anti-A, anti-B and anti-D (DV1-) to determine the antigens A, B, D) – CLS-SOP-397	DRI BDGH
EDTA Whole Blood	Manual Blood Group: ABO/Rh Newborn group	Using the DIAMED ID-Card System (column agglutination technology and monoclonal anti-A, anti-B, anti-AB and anti-D (DV1-) to determine the antigens A, B, D) – CLS-SOP-397	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	
EDTA Whole Blood	Manual Antibody Screen To screen for the presence atypical antibodies, to the antigens present from the following blood group systems: Rh: D, C, D, E, C, e, Cw Kell: K, k Kidd: Jka, Jkb Duffy: Fya, Fyb MNS: M, N, S, s Lewis (Lea, Leb) & Kpa are present when possible	Using the DIAMED ID-Card System & ID-Diacell (column agglutination technology). The screening cells have double dose expression of Rh, Duffy, Kidd and MNS antigen CLS-SOP-303	DRI BDGH
EDTA Whole Blood	Manual Prophylax Screen: The 6 cells show the following Rh expression: R1R2 r'r r'r rr rr rr The panel of 6 cells has antigens present from the following blood group systems: Kell: K, k Kidd: Jka, Jkb Duffy: Fya, Fyb MNS: M, N, S, s Lewis: Lea, Leb	Using the DIAMED ID-Card System & ID-DiaScreen Prophylax (column agglutination technology). Used as an adjunct to the antibody screen on pregnant women having received anti-D prophylaxis or other patients allo-immunised with anti-D. These cells meet the criteria for double dose expression of the Duffy, Kidd and MNS antigens – CLS-SOP-303.	DRI BDGH
EDTA Whole Blood	Manual Rh and K Type For profiling of the Rh phenotype and K typing	Using the DIAMED ID-Card System (column agglutination technology and monoclonal anti-C, anti-c, anti-E, anti-e and anti-K to determine the antigens C, c, E, e, K) – CLS-SOP-392	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	
EDTA Whole Blood	Manual IAT Antibody Identification: To identify atypical antibodies detected in the antibody screen. Antigens are present on the panel cells from the following blood group systems: Rh: D, C, D, E, C, e, Cw Kell: K, k, Kpa Kidd: Jka, Jkb Duffy: Fya, Fyb MNS: M, N, S, s Lewis: Lea, Leb	Using the DIAMED ID-Card System & ID-DiaPanel (column agglutination technology). For the Rh system, MNSs, Duffy and Kidd, the antigens must be in homozygous form. The Lewis antigens must be present, as should the rare antigen Kpa – CLS-SOP-304	DRI BDGH
EDTA Whole Blood	Manual Enzyme Antibody Identification: To support the IAT panel in identifying atypical antibodies detected in the antibody screen. Antigens are present on the enzyme treated panel cells from the following blood group systems: Rh: D, C, D, E, C, e, Cw Kell: K, k, Kpa Kidd: Jka, Jkb Duffy: Fya, Fyb MNS: M, N, S, s Lewis: Lea, Leb	Using the DIAMED ID-Card System & ID-DiaPanel P (column agglutination technology). For the Rh system, MNSs, Duffy and Kidd, the antigens must be in homozygous form. The Lewis antigens must be present, as should the rare antigen Kpa - CLS-SOP-305	DRI BDGH
EDTA Whole Blood	Manual IAT Crossmatch	Using the DIAMED ID-Card System (column agglutination technology) - CLS-SOP-307	DRI BDGH
EDTA Whole Blood	Kleihauer Film For screening of Feto-maternal Haemorrhage	Using the acid elution method - Source Bioscience Fetal Cell Detection kit – CLS-SOP-388	DRI BDGH



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examination activities for the purposes of clinical diagnosis</u> (cont'd)	Documented in house methods and manufacturer's instructions for:	
EDTA Whole Blood	Manual Blood Group using a card reader: To determine ABO and RhD type with reverse group	Documented procedures & manufacturer's instructions for the Banjo Card Reader (DIAMED ID-Card System & ID-Diacell) using column agglutination technology and monoclonal anti-A, anti-B and anti-D (DV1-) to determine the antigens A, B, D. - CLS-SOP- 252 & CLS-SOP-397	BDGH
	<u>Histopathological examination activities for the purpose of clinical diagnosis:</u>  Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis. Including identification of basophilic and eosinophilic structures	In House documented methods for preparation and staining all supported by SOPs and, where relevant, manufacturer's instructions for cutting up, processing, embedding dehydration, clearing and mounting, and microscopy	DRI
Fixed, fresh tissue samples and cell blocks (biopsy, excision, resection and post mortem specimens)		<u>Tissue dissection:</u> BMS cut up manual (HIS-SOP-1), BMS category A samples (HIS-SOP-248), BMS category B samples (HIS-SOP-249), BMS category C samples (HIS-SOP-250), BMS extended (HIS-SOP-251) and BMS loading (HIS-SOP-27).	DRI
		<u>Decalcification:</u> Decalcification (HIS-SOP-35)	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u>  Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis. Including identification of basophilic and eosinophilic structures	Documented in house methods and manufacturer's instructions for:  In House documented methods for preparation and staining all supported by SOPs and, where relevant, manufacturer's instructions for cutting up, processing, embedding dehydration, clearing and mounting, and microscopy  <u>Tissue processing:</u> Excelsior processor (HIS-SOP-43, HIS-SOP-44, HIS-SOP-45 and HIS-SOP-61) Excelsior AS processor (HIS-SOP-260, HIS-SOP-261, HIS-SOP-262)	
Fixed, fresh tissue samples and cell blocks (biopsy, excision, resection and post mortem specimens) (cont'd)		<u>Embedding:</u> Specimen embedding (HIS-SOP-4) Using: ThermoShandon Histostar (HIS-SOP-247) embedding consoles	DRI
Formalin fixed paraffin wax blocks of processed tissue		<u>Microtomy:</u> Section cutting - (HIS-SOP-5 and HIS-SOP-6) Using: Leica and ThermoShandon microtomes – (HIS-SOP-5; HIS-SOP-6)	DRI
FFPE (formalin fixed paraffin embedded) tissue on glass slides		<u>Automated/ manual staining:</u> Gemini autostainer (HIS-SOP-9 and HIS-SOP-10) – H&E & PAP Coverslipping (HIS-SOP-11) QA in routine histology – (HIS-SOP-13) Using: ThermoShandon Gemini autostainer (HIS-SOP-201), Leica CV5030 coverslipper (HIS-SOP-224), Microscopes (HIS-SOP-221)	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	
Fresh and Frozen tissue/ Frozen sections on glass slides	Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis. Including identification of basophilic and eosinophilic structures	Frozen sections: Use of cyrostat (HIS-SOP-36) in conjunction with manufacturer's instructions for Leica Cryostat CM1850 (HIS-SOP-256)  Manual rapid (frozen sections): Urgent frozen section: (HIS-SOP-37)	DRI
Fresh and Frozen tissue/ Frozen sections on glass slides	Direct Immunohistochemistry to detect / identify the following:	Documented in-house manual methods (HIS-SOP-36, HIS-SOP-38) in conjunction with manufacturer's instructions for Leica Cryostat CM1850 (HIS-SOP-256)	DRI
Fixed tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides	Special Stains for the detection / identification of:	Documented methods (reference in parentheses) using manual special stain techniques as indicated and to include: Special stains overview (HIS-SOP-112) Quality assurance in special stains (HIS-SOP-113)	DRI
	Acid mucins	Alcian Blue (HIS-SOP-114)	
	Mucins (acid, neutral, mixed)	Alcian Blue - Periodic acid Schiffs (HIS-SOP-115)	
	Amyloid	Congo red (HIS-SOP-116)	
	Elastic fibres and connective tissue	Elastic Van Gieson (HIS-SOP-117)	
	Gram positive and negative organisms	Gram (HIS-SOP-120)	



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Fixed, fresh tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides	Special Stains for the detection / identification of:	Documented methods (reference in parentheses) using manual special stain techniques as indicated and to include: Special stains overview (HIS-SOP-112) Quality assurance in special stains (HIS-SOP-113)	
	H. pylori, mast cells, basophil granules	Giemsa (modified) (HIS-SOP-118)	
	Nuclei and connective tissue	Haematoxylin van Gieson (HIS-SOP-121)	
	Fibrin and connective tissue	Martius yellow - Brilliant crystal scarlet - Soluble blue (MSB) (HIS-SOP-124)	
	Removal of melanin pigment	Melanin bleach (HIS-SOP-126)	
	Fungi, glomerular basement membrane, P. carinii, glycogen	Methenamine silver (Grocott) (HIS-SOP-125)	
	Melanin, argentaffin and chromaffin cells	Masson Fontana (HIS-SOP-122)	
	Connective tissue	Masson Trichrome (HIS-SOP-123)	
	Hepatitis B surface antigen and copper associated protein	Orcein (HIS-SOP-127)	
	PAS - polysaccharides including: glycogen, neutral mucins, fungi PAS-D - removal of glycogen	Periodic acid Schiffs (PAS) and Diastase - Periodic acid Schiffs (PAS-D) (HIS-SOP-129)	
	Haemosiderin (ferric iron salts) and asbestos bodies	Perls (HIS-SOP-128)	
	Reticulin fibres	Reticulin (HIS-SOP-131)	



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	
Fixed, fresh tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides	Special Stains for the detection / identification of:	Documented methods (reference in parentheses) using manual special stain techniques as indicated and to include: Special stains overview - (HIS-SOP-112) Quality assurance in special stains- (HIS-SOP-113)	DRI
	Amyloid, elastic and eosinophils	Sirius red (HIS-SOP-133)	
	Mast cells and sulphated mucins	Toluidine Blue (HIS-SOP-134)	
	Calcium deposits	Von Kossa (HIS-SOP-135)	
	Mycobacterium leprae and other mycobacteria	Wade Fite (HIS-SOP-137)	
	Mycobacterium spp, including Mycobacterium tuberculosis	Ziehl Neelson (HIS-SOP-138)	
	Immunohistochemistry to detect / identify the following:	Documented in-house methods (HIS-SOP-63, HIS-SOP-65, HIS-SOP-238, HIS-SOP-239, HIS-SOP-240, HIS-SOP-241) used in accordance with Dako's operating instructions for the use of Omnis automated immunostainer (HIS-SOP-236 & 237).	DRI
	Cytokeratins: 1, 5, 10 & 14 (high molecular weight cytokeratins)	Incorporating the following antibodies: 34βE12	
	Broad range cytokeratin	Cytokeratin AE1 / AE3	





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Fixed, fresh tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides	Immunohistochemistry to detect / identify the following:	Documented in-house methods (HIS-SOP-63, HIS-SOP-65, HIS-SOP-238, HIS-SOP-239, HIS-SOP-240, HIS-SOP-241) used in accordance with Dako's operating instructions for the use of Omnis automated immunostainer (HIS-SOP-236 & 237).	
	Fetal liver cells	Incorporating the following antibodies: Alpha 1 fetoprotein (AFP)	
	Mesenchymal marker	$\alpha$ smooth muscle action ( $\alpha$ SMA)	
	T-cells, B-cells in mantle zone	BCL-2	
	Epithelial cells	Ber Ep4	
	Luminal cells of the fallopian tube	Ca 125	
	Mesothelial cell lining	Calretinin	
	Low molecular weight marker (anti cytokeratin)	Cam 5.2	
	B-cell marker	CD 20	
	T-cell marker	CD 3	
	Hodgkin and Reed-Sternberg cells	CD 30 (Ki-1)	
	Endothelial marker	CD 34 (Qbend10)	
	Neuroendocrine	CD 56	
	Macrophages	CD 68	



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 (cont'd)</p> <p>Fixed, fresh tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides</p>	<p><u>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u></p> <p>Immunohistochemistry to detect / identify the following:</p> <p>Mast cells and GIST</p> <p>Intestinal epithelial</p> <p>Carcinoembryonic antigen</p> <p>Neuroendocrine</p> <p>Gastrointestinal epithelia</p> <p>Squamous and myoepithelial</p> <p>Glandular, transitional epithelia</p> <p>Lymphatic endothelium</p> <p>Intermediate filament/ smooth &amp; striated muscle</p> <p>Cell adhesion molecule</p> <p>Epithelial membrane antigen</p> <p>Oestrogen receptor</p> <p>Melanosomes</p> <p>Leydig, Steroli cells</p> <p>Proliferation marker</p>	<p>Documented in house methods and manufacturer's instructions for:</p> <p>Documented in-house methods (HIS-SOP-63, HIS-SOP-65, HIS-SOP-238, HIS-SOP-239, HIS-SOP-240, HIS-SOP-241) used in accordance with Dako's operating instructions for the use of Omnis automated immunostainer (HIS-SOP-236 &amp; 237).</p> <p>Incorporating the following antibodies: CD 117 (C Kit)</p> <p>CD X2</p> <p>CEA (mono)</p> <p>Chromogranin A</p> <p>CK 20</p> <p>CK 5/6</p> <p>CK 7</p> <p>D2 40</p> <p>Desmin</p> <p>E-Cadherin</p> <p>EMA</p> <p>ER</p> <p>HMB 45 (Anti-human melanosome)</p> <p>Inhibin alpha</p> <p>Ki-67 (MIB-1)</p>	<p>DRI</p>



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Fixed, fresh tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides	Immunohistochemistry to detect / identify the following:	Documented in-house methods (HIS-SOP-63, HIS-SOP-65, HIS-SOP-238, HIS-SOP-239, HIS-SOP-240, HIS-SOP-241) used in accordance with Dako's operating instructions for the use of Omnis automated immunostainer (HIS-SOP-236 & 237).	
	Leukocyte common antigen	Incorporating the following antibodies: LCA (CD 45)	
	Melanocytes	Melan A	
	p16 HPV biomarkers	P16	
	Alpha methylacyl coenzyme A racemase	P504S/ AMACR	
	Tumour suppressor gene	P53	
	Basal cell marker	P63	
	Polyclonal Prostate specific antigen	poly PSA	
	Progesterone receptor	PR	
	Prostate specific antigen	PSA	
	Melanoma, neuroendocrine	S100	
	Smooth muscle myosin heavy chain	SMMS 1	
	Neuroendocrine marker	Synaptophysin	
	Lymphatic endothelial	Thrombomodulin	



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 (cont'd)</p> <p>Fixed, fresh tissue samples and cell blocks / FFPE (formalin fixed paraffin embedded) tissue on glass slides</p>	<p><u>Histopathological examination activities for the purpose of clinical diagnosis: (cont'd)</u></p> <p>Lumen of thyroid follicles</p> <p>Immunohistochemistry to detect / identify the following:</p> <p>Thyroid transcription factor</p> <p>Mesenchymal marker</p> <p>Wilms tumour 1 protein</p>	<p>Documented in house methods and manufacturer's instructions for:</p> <p>Thyroglobulin</p> <p>Documented in-house methods (HIS-SOP-63, HIS-SOP-65, HIS-SOP-238, HIS-SOP-239, HIS-SOP-240, HIS-SOP-241) used in accordance with Dako's operating instructions for the use of Omnis automated immunostainer (HIS-SOP-236 &amp; 237).</p> <p>Incorporating the following antibodies:</p> <p>TTF-1</p> <p>Vimentin</p> <p>WT 1</p>	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001

Issue date: 27 September 2018

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>Cytopathology (Non-Gynae) examination activities for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for:	DRI
CSF, urine, bronchial brush, bronchial wash, sputum, joint fluid, fine needle aspirate/ aspirate of general body fluids / cytopspin and cytic prepared slides	Examination of human body fluids in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis.	<u>Sample preparation:</u> Non gynae specimen receipt (HIS-SOP-76) Cytoc preparation (HIS-SOP-77) Fine needle aspiration (HIS-SOP-79) Use of cytopspin (HIS-SOP-82) Use of exhaust protection cabinet (HIS-SOP-84) Preparation of agar clots (HIS-SOP-98)	DRI
Slides prepared in-house from Synovial and joint fluids	Detection and identification of crystals	Synovial and joint fluids (HIS-SOP-80)	DRI
Slides prepared in-house from sample types listed above	Demonstration of cells (nuclei and cytoplasm)	<u>Staining: automated:</u> Gemini autostainer (HIS-SOP-9 and HIS-SOP-10) Coverslipping: HIS-SOP-11 QA in routine histology: HIS-SOP-13	DRI
Slides prepared in-house from sample types listed above	Demonstration of cells (nuclei and cytoplasm)	<u>Staining: manual:</u> Giemsa (modified) (HIS-SOP-118) Using: ThermoShandon cytopsin - (HIS-SOP-223) ThinPrep 2000 processor (Hologic) (HIS-SOP-230) ThermoShandon Gemini autostainer (HIS-SOP-201) Leica CV5030 coverslipper - (HIS-SOP-224) Microscopes (HIS-SOP-221)	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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 examinations for the purposes of clinical diagnosis</u>	Documented in house methods and manufacturer's instructions for:	DRI
		In-house procedures following the guidelines below: WHO Laboratory Manual for the Examination of Human Semen and Sperm-Cervical Mucus Interaction 5th Edition. 2016 Laboratory guidelines for post vasectomy semen analysis: Association of Biomedical Andrologists, the British Andrology Society and the British Association of Urological Surgeons. P Hancock, B J Woodward, A Muneer, J C Kirkman-Brown. <i>J Clin Pathol</i> doi:10.1136/jclinpath-2016-203731	DRI
Human semen ejaculate	<u>Fertility screen</u> Semen liquefaction, viscosity, pH and volume	HIS-SOP-86 (visual, pH paper, volume/ weight)	DRI
	Sperm motility	HIS-SOP-87 (microscopy using wet prep)	DRI
	Sperm vitality	HIS-SOP-88 (stained slide microscopy)	DRI
	Sperm concentration	HIS-SOP-89 (microscopy counting chamber)	DRI
	Sperm morphology	HIS-SOP-91 (stained slide microscopy)	DRI
Human semen ejaculate	<u>Post vasectomy</u> Detection and quantification of sperm	Microscopy using in house procedure: HIS-SOP-287 (microscopy of wet prep using LVFD slides)	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis:</u>	Documented in house methods and manufacturer's instructions for:	DRI
Swabs from eyes, wounds, nose, throat, ears, genital sites, intravascular cannulae, body fluids including CSF, tissues	General isolation and characterisation of micro-organisms (bacteria, yeasts) of clinical significance. Antimicrobial susceptibility testing and determination of minimum inhibitory concentration (MIC)	Manual culture, microscopy of wet preparations and stained preparations, cell counts with reference to the following SOPs: Swab Investigations MIC-SOP-14, Investigation of CAPD fluid MIC-SOP-38, Investigation of tissue and Biopsy Specimens MIC-SOP-74, Investigation for MRSA MIC-SOP-19, Investigation of Genital Specimens MIC-SOP-2, Investigation of CSF MIC-SOP-17, Antibiotic Sensitivity Testing MIC-SOP-5, Investigation of fluid samples MIC-SOP-17.	DRI
Respiratory fluids (sputum, bronchial washings, broncho-alveolar lavage)	General isolation and characterisation of micro-organisms of clinical significance	Manual culture of specimens with referral to Respiratory Investigations SOP: MIC-SOP-13.	DRI
Respiratory fluids (sputum, bronchial washings, broncho-alveolar lavage), urine, body fluids & tissue	General isolation and characterisation of Mycobacterium spp. (Note that speciation and antimicrobial susceptibility is tested at Reference laboratory - Birmingham PHE)	Documented Procedures and manufacturer's instructions for MB BacT/Alert automated analyser for liquid culture (MIC-SOP-83). Also use of Lowenstein Jensen slopes for solid culture. Manual light microscopy for examination of stained preparations. Specific reference to Investigations Specimens for Mycobacteria SOP: MIC-SOP-4	DRI
Faeces	General isolation and characterisation of bacteria of clinical significance	Manual culture of specimens with referral to Examination of faeces SOP: MIC-SOP-3.	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Faeces	Determination of Presence of Clostridium Difficile Toxins	Automated immunoassay for detection of glutamate dehydrogenase and C. difficile toxins using manufacturer's instructions, software and Dynex DS2. Referral to SOP: Clostridium difficile SOP: Clostridium difficile EIA tests MIC-SOP-93 and Quik Chek Complete MIC-SOP-137	DRI
Whole blood (heparinised)	General isolation and characterisation of micro-organisms of clinical significance	Documented procedures & manufacturer's instructions for BacT/Alert 3D Blood culture automated analyser (MIC-SOP-103) with specific reference to Blood Cultures MIC-SOP-15.	DRI
Urine	Quantification of white and red blood cells, bacteria and epithelial cells. Culture of urine for enumeration and characterisation followed by antimicrobial susceptibility testing of pathogens	Documented procedures & manufacturer's instructions for Iris IQ Sprint automated urine analyser (MIC-SOP-106) with specific reference to Urine SOP: MIC-SOP-1.	DRI
Faeces	Examination for the presence of parasites (ova, cysts, trophozoites and worms) of clinical significance	Manual method of light microscopy described within Parasitology SOP: MIC-SOP-34 by wet preparation and concentration using Parasep system using manufacturer's instructions (MIC-SOP-24).	DRI
Skin scrapings, nail clippings, hair	General isolation and characterisation of fungi of clinical significance	Manual method using Mycology SOP: SOP MIC-SOP-42. Samples receive KOH-digest / light microscopy and culture onto fungal selective media	DRI





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis:</u> (cont'd)	Documented in house methods and manufacturer's instructions for:	DRI
Swabs	Molecular Detection of Herpes Simplex Virus I/II via PCR	Samples are analysed using the HAIN Fluorocycler analyser (PCR) according to SOPs (VIR-SOP-67 and VIR-SOP-68), with specific reference to VIR-SOP-70	DRI
CSF	Multiplexed nucleic acid molecular detection of the following microorganisms using the Meningitis /Encephalitis panel:  Escherichia coli K1 Haemophilus influenzae Listeria monocytogenes Neisseria meningitidis Streptococcus agalactiae Streptococcus pneumoniae Cytomegalovirus Enterovirus Herpes simplex virus 1 Herpes simplex virus 2 Human herpesvirus 6 Human parechovirus Varicella zoster virus Cryptococcus neoformans/gattii	bioMerieux Biofire Film Array  (MIC-SOP-149 and MIC-SOP-148) and in-house SOP MIC-SOP-152	DRI
Swabs in manufacturers sample collection tube (vaginal, endocervical, urethral)	Molecular Detection of Chlamydia & Neisseria gonorrhoea(GC) DNA	Samples are analysed using the Becton Dickinson VIPER analyser (Automated Strand Displacement Amplification) according to manufacturer's instructions (MIC-SOP-125 and MIC-SOP-126), with specific reference to MIC-SOP-39	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Pharmacy Liquids (Broth)	General isolation and characterisation of micro-organisms (bacteria, yeasts) of clinical significance.	Examination of Pharmacy Samples MIC-SOP-53.	DRI





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Direct specimen testing and cultures isolated in-house from the above samples	Detection and identification of clinically significant bacteria and yeasts	Manual staining and microscopy Identification Methods SOP (MIC-SOP-35): Grams' stain Auramine stains Ziehl Neelson stains Acridine Orange stain	DRI
Cultures isolated in-house from the above samples	Antimicrobial susceptibility testing of clinically-significant bacteria, yeasts (including determination of minimum inhibitory concentration (MIC)	All below follow EUCAST directions and requirements: Documented procedures and manufacturers' instructions for VITEK2 Compact MIC-SOP-45 and MIC-SOP-45 Manual testing by disc-diffusion MIC-SOP-5	DRI
	<u>Serology examination activities for the purpose of clinical diagnosis</u>		DRI
Serum	Semi-quantitative Determination of ASO Antibodies	VIR-SOP-1 - Latex slide agglutination assay (Polystyrene latex particles coated with streptolysin-O antigen in a stabilising buffer) using Bio-kit Rheumajet commercial kit.	DRI
Serum	Detection of Mycoplasma IgM	VIR-SOP-2 - Gel particle agglutination assay (Gelatin particles are coated with Mycoplasma antigen) using Serodia MYCO II commercial kit.	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
	<u>Serology examination activities for the purpose of clinical diagnosis</u>		
Urine	Detection of Legionella pneumophila serogroup 1 Antigen	VIR-SOP-3 - Immunochromatographic membrane device assay using Binax NOW commercial kit.	DRI
Naso-pharyngeal Aspirate	Detection of RSV	VIR-SOP-4 - Immunochromatographic membrane device assay (for the qualitative detection of RSV fusion protein antigen) using Binax NOW commercial kit.	DRI
Serum	Semi-Quantitative VDRL Syphilis Monitoring	VIR-SOP-15 - VDRL (Venereal Disease Reference Laboratory) reagin slide test (Carbon particles coated with reagin antigen) used to measure the presence of non-treponemal antibodies produced because of syphilitic infection. Performed using Axis Shield commercial kit.	DRI
Stool	Detection of H. pylori Stool Antigen	VIR-SOP-18 - Immunochromatographic membrane device assay (for the qualitative detection of Helicobacter pylori antigen in faecal specimens) using SD BIOLINE commercial kit.	DRI
Stool	Detection of Rotavirus & Adenovirus Antigen	VIR-SOP-58 - Immunochromatographic membrane device assay (for the qualitative detection of Rotavirus and Adenovirus antigens in faecal specimens) using Prolab Proflow™ Rota/Adeno commercial kit.	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Stool	Detection of Norovirus Antigen	VIR-SOP-59 - Immunochromatographic membrane device assay (for the qualitative detection of Norovirus antigens in faecal specimens) using Prolab ProFlow Norovirus kit	DRI
Serum	Determination of Procalcitonin Levels	Samples are analysed using the Biomerieux VIDAS analyser (automated Enzyme Linked Fluorescent Assay) according to manufacturer's instructions (VIR-SOP-61) and VIR-SOP-5, with specific reference to: VIR-SOP-16 - One-step immunoassay sandwich method with a final fluorescent detection (ELFA).	DRI
Serum	Immunoassay (Abbott)	Samples are analysed using the Abbott Architect I2000 analyser (automated chemiluminescence immunoassay) according to manufacturer's instructions (VIR-SOP-60) and VIR-SOP-20, with specific reference to:	DRI
	Semi-quantitative Determination of Hepatitis B Antibody	VIR-SOP-21 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Cytomegalovirus IgG	VIR-SOP-22 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Cytomegalovirus IgM	VIR-SOP-22 - Chemiluminescent microparticle immunoassay (CMIA).	DRI



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
	Detection of Hepatitis A IgG	VIR-SOP-23 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Hepatitis A IgM	VIR-SOP-24 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Hepatitis B Surface Antigen	VIR-SOP-25 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Hepatitis C Antibody	VIR-SOP-26 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Hepatitis B Core Antibody	VIR-SOP-27 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of HIV Antigen/Antibody	VIR-SOP-28 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Rubella IgG	VIR-SOP-29 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Rubella IgM	VIR-SOP-30 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Detection of Syphilis Treponemal Antibody	VIR-SOP-31 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
Detection of Toxoplasma IgG	VIR-SOP-32 - Chemiluminescent microparticle immunoassay (CMIA).	DRI	



9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	DRI
Serum	Detection of Toxoplasma IgM	VIR-SOP-32 - Chemiluminescent microparticle immunoassay (CMIA).	DRI
	Immunoassay (Diasorin):	Samples are analysed using the Diasorin Liaison XL (automated chemiluminescence immunoassay) according to manufacturer's instructions (VIR-SOP-38 and VIR-SOP-39) and VIR-SOP-33, with specific reference to:	DRI
	Detection of EBV VCA IgG	VIR-SOP-35 - Indirect chemiluminescence immunoassay (CLIA).	DRI
	Detection of EBV VCA IgM	VIR-SOP-35 - Indirect chemiluminescence immunoassay (CLIA).	DRI
	Detection of EBV EBNA IgG	VIR-SOP-35 - Indirect chemiluminescence immunoassay (CLIA).	DRI
	Detection of Parvovirus IgG	VIR-SOP-36 - Indirect sandwich chemiluminescence immunoassay (CLIA).	DRI
	Detection of Parvovirus IgM	VIR-SOP-36 - Antibody-capture sandwich chemiluminescence immunoassay (CLIA).	DRI
Whole blood (heparinised)	Semi-quantitative Determination of Varicella zoster IgG	VIR-SOP-37 - Indirect sandwich chemiluminescence immunoassay (CLIA).	DRI
	Enumeration of TB ( <i>Mycobacterium tuberculosis</i> complex) - Specific T-cells	Interferon Gamma Release Assay Quantiferon TB Gold Plus ELISA SOP: MIC-SOP-90 <b>Automated</b> immunoassay using manufacturer's instructions, software and Dynex DS2	DRI





9550

Accredited to  
ISO 15189:2012

## Schedule of Accreditation

issued by

### United Kingdom Accreditation Service

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

### Doncaster & Bassetlaw Teaching Hospitals NHS Foundation Trust

Issue No: 001 Issue date: 27 September 2018

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>Microbiology examination activities for the purpose of clinical diagnosis: (cont'd)</u>	Documented in house methods and manufacturer's instructions for:	
Serum	Quantitative Determination of Gentamicin	Samples are analysed using the Abbott Architect C16000 analyser (automated chemistry) according to manufacturer's instructions (VIR-SOP-60) and CLS-SOP-528, with specific reference to:  MIC-SOP-8 - Homogeneous particle-enhanced turbidimetric inhibition immunoassay (PETINIA).	DRI
Serum	Quantitative Determination of Vancomycin	MIC-SOP-8 - Homogeneous particle-enhanced turbidimetric inhibition immunoassay (PETINIA).	DRI
END			