


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO 15189:2012	Alder Hey Children's NHS Foundation Trust	
	Issue No: 011 Issue date: 16 May 2025	
	Eaton Road Liverpool L12 2AP	Contact: Laura Kiely Tel: +44 (0) 151 252 5126 Fax: +44 (0) 151 252 5550 E-Mail: Laura.Kiely@alderhey.nhs.uk Website: http://www.alderhey.nhs.uk/
Testing performed at the above address only		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity
Address Department of Pathology Alder Hey Children's NHS Foundation Trust Eaton Road Liverpool L12 2AP	Local contact Pamela Ashton	Clinical Biochemistry Medical Microbiology Cellular Pathology Mortuary Services

Site activities performed away from the locations listed above:

Location details	Activity
Alder Hey Children's NHS Foundation Trust Eaton Road Liverpool L12 2AP	Blood Stock Fridge Blood Issue Fridge Theatre Issue Fridge
Neonatal Unit Liverpool Women's NHS Foundation Trust Crown Street Liverpool L8 7SS	Blood Bank Fridge for Patient Specific Issued Blood Products



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated)	<u>Biochemistry Examination Activities for the Purpose of Clinical Diagnosis</u> Quantification of:	Documented in-house methods and manufacturer's operating instructions as specified:
Serum, plasma	ALT	Abbott Alinity Biochemistry 1375 using: TRIS Buffer without PLP
Serum, plasma	Albumin	BCG Dye Binding
Serum, plasma	ALP	IFCC AMP Buffer
Plasma	Ammonia	GDH
Serum, plasma, urine	Amylase	CNPG3 Substrate
Serum, plasma	AST	TRIS Buffer without PLP
Serum, plasma	Bicarbonate	PEP Carboxylase
Serum, plasma	Total bilirubin	Diazonium
Serum, plasma, urine	Calcium	Arsenazo III Dye Binding
Serum, plasma	Cholesterol	Enzymatic
Serum, plasma, urine	Chloride	Indirect ISE
Serum, plasma	Conjugated bilirubin	Synermed Near Infrared
Serum, plasma	Creatine kinase	N-acetyl-L-cysteine
Serum, plasma, urine	Creatinine	Enzymatic
Serum, plasma	CRP	Immunoturbidimetry
Serum, plasma	Ethanol	Enzymatic
Serum, plasma	GGT	Kinetic IFCC
Serum, plasma, urine CSF	Glucose	Hexokinase G6PD



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	Quantification of: (cont'd)	Abbott Alinity Biochemistry 1375 using:
Serum, plasma	HDL Cholesterol	Accelerator Selective Detergent
Serum, plasma	Iron	Ferrene Colorimetric
Plasma, CSF	Lactate	Enzymatic
Serum, plasma	LDH	Lactate to Pyruvate
Serum, plasma, urine	Magnesium	Enzymatic
Serum, plasma	Paracetamol	Enzymatic
Serum, plasma, urine	Phosphate	Molybdate UV
Serum, plasma, urine	Potassium	Indirect ISE
Serum, plasma	Salicylate	Enzymatic
Serum, plasma, urine	Sodium	Indirect ISE
Serum, plasma	Total Protein	Biuret
Serum, plasma	Triglycerides	Glycerol Phosphate Oxidase
Serum, plasma, urine	Urea	Urease
Serum, plasma, urine	Uric acid	Endpoint Uricase
Serum, plasma	Anti TPO	Chemiluminescent Immunoassay
Serum, plasma	C3	Immunoturbidimetry
Serum, plasma	C4	Immunoturbidimetry
Serum, plasma	Caeruloplasmin	Immunoturbidimetry
Serum, plasma	IgA	Immunoturbidimetry
Serum, plasma	IgG	Immunoturbidimetry



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	Quantification of: (cont'd)	Abbott Alinity Biochemistry 1375 using:
Serum, plasma	IgM	Immunoturbidimetry
Serum, plasma	Transferrin	Immunoturbidimetry
Serum, Plasma	Ferritin	Chemiluminescent Immunoassay
Serum, Plasma	Folate	Chemiluminescent Immunoassay
Serum, Plasma	B12	Chemiluminescent Immunoassay
Serum, Plasma	Betahydroxybutyrate	Randox Spectrophotometric Endpoint
Serum, Plasma	Free Fatty Acids	Randox Spectrophotometric Endpoint
Urine	Albumin	Immunoturbidimetry
Urine, CSF	Total Protein	Benzethonium Chloride
Serum, Plasma	Amikacin	PETIA
Serum, Plasma	Gentamicin	PETIA
Serum, Plasma	Methotrexate	Chemiluminescent Immunoassay
Serum, Plasma	Phenobarbitone	PETIA
Serum, Plasma	Phenytoin	PETIA
Serum, Plasma	Theophylline	PETIA
Serum, Plasma	Tobramycin	PETIA
Serum, Plasma	Vancomycin	PETIA
Serum, Plasma	TSH	Chemiluminescent Immunoassay
Serum, Plasma	Free T3	Chemiluminescent Immunoassay



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	Quantification of: (cont'd)	Abbott Alinity Biochemistry 1375 using:
Serum, Plasma	Free T4	Chemiluminescent Immunoassay
Serum, Plasma	Oestradiol	Chemiluminescent Immunoassay
Serum, Plasma	PTH	Chemiluminescent Immunoassay
Serum, Plasma	Vit D	Chemiluminescent Immunoassay
Lithium heparin (plasma)/ Plain (serum)/EDTA (plasma)	NT-Pro BNP	Chemiluminescent Microparticle Immunoassay
Lithium heparin (plasma)/ Plain (serum)/EDTA (plasma)	Troponin I	Chemiluminescent Microparticle Immunoassay
Lithium Heparin/EDTA Whole Blood	Haemoglobin A1c	Chemiluminescent Microparticle Immunoassay
Lithium heparin (plasma)/ Plain (serum)	Luteinising Hormone (LH)	Chemiluminescent Microparticle Immunoassay
Lithium heparin (plasma)/ Plain (serum)	Follicle Stimulating Hormone (FSH)	Chemiluminescent Microparticle Immunoassay
Lithium heparin (plasma)/ Plain (serum)	Prolactin	Chemiluminescent Microparticle Immunoassay
EDTA Whole Blood	Tacrolimus	Chemiluminescent Microparticle Immunoassay



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	Biochemistry Examination Activities for the Purpose of Clinical Diagnosis (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	Calculation of:	Calculated Tests derived from results obtained from Abbott Alinity
	Albumin/ Creatinine Ratio (Urine)	
	Adjusted Calcium (Serum, Plasma)	
	Transferrin Saturation (Serum)	
	LDL Cholesterol (Serum)	
	Acute Kidney Injury (AKI)	
Urine	Measurement of osmolality	Advanced Micro Osmometer Model 3320 BC SOP-0035 Freezing Point Depression
Sweat	Chloride	Chlorochek chloride meter BC SOP-0044
Sweat	Conductivity	Westcor conductivity BC SOP-0044



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS (as stated) (cont'd)</p> <p>Faeces Serum EDTA or Citrate plasma Serum or Lithium Heparin plasma</p> <p>Blood</p> <p>Blood</p> <p>Blood</p>	<p><u>Immunology Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p>Calprotectin Tissue Transglutaminase Total IgE</p> <p>IgA Anti-Tissue Transglutaminase antibodies (TTG)</p> <p>Total IgE</p> <p>Specific IgE:</p> <p>Almond nut f20 Amoxycilloyl c6 Apple f49 Apricot f237 Aspergillus fumigatus m3 Aubergine f262 Banana f92 Barley f6 Beef f27 Blue Mussel f37 Blueberry f288 Brazil nut f18 Bumble Bee Venom i205 Carrot f31 Cashew nut f202 Cat Epithelium e1 Celery f85 Cheddar Cheese f81 Cheese Allergens Cherry f242 Chicken f83 Chickpea f309 Chlorhexidine c8 Chocolate/Cacao f93 Clinical Interpretation Coconut f36 Cod f3 Common Wasp Venom i3 Coriander f317 Cows Milk f2</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>BC SOP-0092 using Phadia ImmunoCap 250 analyser by EliA</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunology Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Blood	Specific IgE (cont): Crab f23 Cucumber f244 Dog Dander e5 e204 nBos d 6 BSA Cow Egg White f1 Egg Yolk f75 Ethylene Oxide k78 f233 n Gal d 1 Ovomucoid f352 rAra h 8 PR-10 Peanut f417 rApi g 1.01 PR-10 Celery f419 rPru p 1 PR-10 Peach f420 rPru p 3 LTP Peach f421 rPru p 4 Profilin Peach f422 rAra h 1 Peanut f423 rAra h 2 Peanut f424 rAra h 3 Peanut f425 rCor a 8 LTP Hazelnut f427 rAra h 9 LTP Peanut f428 rCor a 1 PR-10 Hazelnut f439 rCor a 9 Hazelnut f440 rCor a 14 Hazelnut f76 nBos d4 a-lactalbumin Milk f77 nBos d5 B-lactalbumin Milk f78 nBos d8 Casein Milk Food Mix Allergens g212 rPhi p12 profilin, Timothy Garlic f47 Gelatin c74 Ginger f270 Gluten f79 Goat Milk f300 Grape f259 Green Bean f315 Green Peppercorn f263 Guinea Pig Epithelium e6 Haddock f42 Hamster Epithelium e84 Hazel nut f17	BC SOP-0092 using Phadia ImmunoCap 250 analyser by EliA (cont)



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunology Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Blood	Specific IgE (cont): Honey Bee Venom i1 Horse Dander e3 House Dust Mite d1 i209 rVes v 5 Common Wasp i211 rVes v 1 Common Wasp IGE & Common Resp Allergens IGE & Food IgE (only) k218 rHev b 5 Latex k219 rHev b 6.01 Latex k220 rHev b 6.02 Latex k221 rHev b 8 Profilin, Latex Kiwi Fruit f84 Latex k82 Lentil f235 Lobster f80 Lupin pollen w207 Lupin Seed f335 Macadamia nut f345 Mackerel f206 Maize f8 Mandarin f302 (Tang,sats,clem) Mango f91 Melon f87 Mixed Bean Allergens Mixed Feathers Mixed Fish Allergen fx74 Mixed Food Allergens fx5 Mixed Fowl Feathers ex73 Mixed Fruit fx15 Mixed Fruit fx16 Mixed Grass Pollens gx4 Mixed Nut Allergens Mixed Nuts fx1 Mixed Nuts fx22 Mixed Pet Feathers ex72 Mixed Tree Pollens	BC SOP-0092 using Phadia ImmunoCap 250 analyser by EliA (cont)



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Immunology Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Blood	Specific IgE (cont): Mixed Tree Pollens tx10 Mould Allergen Mix mx1 Mould Cheese f82 Mugwort w6 Mustard f89 Mutton/Lamb f88 Nutmeg f282 Oat f7 Omega-5 Gliadin f416 Onion f48 Orange f33 Paprika f218 Pea f12 Peach f95 Peanut f13 Pecan nut f201 Penicillin Allergens Pine nuts f253 Pistachio f203 Plum f255 Poppy seed f224 Pork f26 Potato f35 Pumpkin seed f226 Rabbit Epithelium e82 Rape Seed f316 Raspberry f343 Red Kidney Bean f287 Rice f9 Rye f5 Salmon f41 Sesame seed f10 Shrimp/Prawn f24 Silver Birch Pollen t3 Soya Allergen f14 Spice Mix fx72 Strawberry f44 Sunflower seed k84	BC SOP-0092 using Phadia ImmunoCap 250 analyser by EliA (cont)



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS (as stated) (cont'd)</p> <p>Blood</p>	<p><u>Immunology Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p>Specific IgE (cont):</p> <p>Sunflower w204 t215 Bev v 1 PR-10 Birch t216 Bev v 2 Profilin Birch Timothy Grass g6 Tomato f25 Tuna f40 Venom Components (Wasp/Bee) Walnut f256 Weed Pollen Mix wx3 Wheat f4 White Bean f15 Ampicilloyl c5 i208 rApi m 1 Honeybee Mixed Poultry Feathers ex71 Mixed Nuts fx76 Penicilloyl V c2 Common Millet f55 Broccoli f260 Herring f205 f440 nCor a 9 Hazelnut f439 rCor a 14 Hazelnut Penicilloyl V c2</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>BC SOP-0092 using Phadia ImmunoCap 250 analyser by EliA (cont)</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Whole blood	pH pO ₂ pCO ₂ Lactate Carboxyhaemoglobin Methaemoglobin	SOP Biochemistry 1864 using Radiometer ABL 90 Flex Blood Gas Analyser by
Blood	<u>Endocrine</u> Quantification of: Follicle Stimulating Hormone Growth Hormone Human Chorionic Gonadotrophin (HCG) IGF1 Insulin Luteinising Hormone (LH) Prolactin Testosterone ACTH Alphafetoprotein (AFP) Cortisol C-Peptide	Potentiometry Optical Potentiometry Amperometry Spectrophotometry Spectrophotometry Siemens Immulite XPi Biochemistry 878 by Immunoassay



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Blood	<u>Therapeutic Drug Monitoring</u> Quantification of Flecainide	Thermo Ultimate 3000UHPLC BC SOP-0142 using Fluorescence Detection
Blood, Urine, CSF	<u>Metabolic</u> Quantification of Amino Acids	BC SOP-1107 Biochrom 30 Amino Acid Analyser using ion exchange chromatography
Urine	Quantification of Organic Acids	BC SOP-0151 and Biochemistry 72 Shimadzu GCMS 2010 Plus using Gas Chromatography-Mass Spectrometry



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	<u>Metabolic</u> (cont'd)	
	Quantification of:	Thermo HPLC Ultimate 3000 UPLC:
Urine	Vitamin A and E	BC SOP-0136
Urine	Phenylalanine and Tyrosine	BC SOP-0134
Urine	Homocysteine	BC SOP-0140
Urine	Catecholamines	BC SOP-0154
Urine	Vanillylmandelic Acid and Homovanillic Acid	BC SOP-0160
Blood Spot	Quantification of phenylalanine	Thermo TSQ Endura MSMS Biochemistry 1223 and Newborn Screening 1291 2 using Tandem Mass Spectrometry
	Quantification of	Thermo TSQ Vantage MSMS using:
Blood	Vitamin D (25OH D2 and D3)	Biochemistry 33696
Blood	Carnitine	Biochemistry 211
Urine	Quantification of Glycosaminoglycans	UV1800 Spectrophotometer Biochemistry 814 Dimethylene Blue, Shimadzu
	Quantification of:	Thin Layer Chromatography using:
Urine	Mucopolysaccharide	BC SOP-0129
Urine	Oligosaccharides	BC SOP-0039
Urine, Faeces	Identification of Reducing Substances	Thin Layer Chromatography Benedict's Test BC SOP-0031
Blood	Quantification of Galactose-1-Phosphate Uridyl Transferase (Gal-1-PUT)	Enzymatic Shimadzu Spectrophotometer UV Detection BC SOP-0042



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd) Blood	<u>Biochemistry Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd) Quantification of: Copper Zinc Selenium Manganese Lead <u>Newborn Screening</u>	Documented in-house methods and manufacturer's operating instructions as specified: Thermo iCAPQ ICP MS Biochemistry 842 Documented in- house methods to meet the requirements of the Newborn Screening programme as defined in the November 2018 version of <i>NHS Newborn Blood Spot Screening Programme</i> : Laboratory QA Evidence requirements



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Biochemistry Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	<u>Newborn Screening</u>	Documented in- house methods to meet the requirements of the Newborn Screening programme as defined in the November 2018 version of <i>NHS Newborn Blood Spot Screening Programme</i> : Laboratory QA Evidence requirements
Blood Spot	Quantification of: PKU- Phenylalanine MCADD-Octanoylcarnitine (C8) GA1- Glutaryl carnitine (C5DC) IVA- Isovalerylcarnitine (C5) MSUD- Leucine Homocystinuria- Methionine	Thermo TSQ Endura MSMS Newborn Screening 1291 2Tandem Mass Spectrometry
Blood Spot	Quantification of: Thyroid Stimulating Hormone (TSH) Immune Reactive Trypsin (IRT)	Perkin Elmer Genetics Screening Processor by DELFIA technology using: Newborn Screening 1294 Newborn Screening 1296
Blood Spot	Identification of: Haemoglobins A, F, S, C, D, E, and O Arab	Sebia Capillarys 2 Neonat Fast Analyser by capillary electrophoresis Newborn Screening 1285



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS</p> <p>Fixed and fresh tissue, excisional and incisional biopsies and surgical resection specimens</p> <p>Formalin- fixed and processed tissues (to paraffin wax)</p> <p>Formalin- fixed and processed tissues (to paraffin wax)</p> <p>Bone tissue and bone marrows</p> <p>Surgical tissue</p> <p>Muscle tissue</p> <p>Kidney/ skin biopsies</p>	<p><u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u></p> <p>Examination of tissues in order to identify or exclude morphological and cytological abnormalities for the purpose of diagnosis</p> <p>Detection of the following autoantibodies: C3 Clq Fibrinogen</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Specimen Dissection HP SOP-0018</p> <p>Tissue Processing using Thermo Shandon Excelsior Tissue Processor HP SOP-0415</p> <p>Tissue Embedding using Leica Embedding Centre HP SOP-0022</p> <p>Microtomy using Thermo Shandon Microtome HP SOP-0015</p> <p>Decalcification HP SOP-0032</p> <p>Preparation of frozen Sections – HP SOP-0018 Equipment: Leica CM1950 cryostat</p> <p>Preparation of Muscle Biopsies HP SOP-0014 Equipment: Leica CM1950 cryostat</p> <p>Cryotomy using Leica CM1950 cryostat HP SOP-0062 Direct Immunofluorescence HP SOP-0111</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Formalin- fixed paraffin embedded tissue sections on microscope slides, fresh frozen sections or CSF	For demonstration of general tissue architecture	Automated Haematoxylin and Eosin Staining using Leica Stainer and Coverslipper HP SOP-0055
Formalin- fixed paraffin embedded tissue sections on microscope slides unless otherwise stated	<u>Special Stains</u> For demonstration of:	Manual Staining Techniques
	Acid Mucins	Alcian Blue HP SOP-0034
	Amyloid	Congo Red (Highman's Modification) HP SOP-0071
	Elastic fibres	Elastic Van Gieson (Miller's) HP SOP-0074
	Bile Pigments	Fouchet Method HP SOP-0077
	Haemopoietic cells and parasites	Giemsa Method HP SOP-0078
	<i>Helicobacter pylori</i>	Giemsa Method HP SOP-0079
	Gram +/- organisms	Gram Stain HP SOP-0087
Formalin fixed tissue and BAL	Fungi and <i>Pneumocystis sp.</i>	Grocott's Hexamine Method HP SOP-0095
	Collagen, mitochondrial aggregations, ragged red fibres, nemaline rods, connective tissue	Gromori's Trichrome HP SOP-0411
	Connective Tissue	Haematoxylin Van Gieson (HVG) HP SOP-0090



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Formalin- fixed paraffin embedded tissue sections on microscope slides unless otherwise stated (cont'd)	<u>Special Stains</u> (cont'd) For demonstration of: (cont'd) Myelin Connective Tissue Melanin Connective Tissue Basement Membrane	Manual Staining Techniques Luxol Fast Blue Method (LFB) HP SOP-0177 Martius Scarlet Blue (MSB) HP SOP-0085 Masson Fontana Method HP SOP-0083 Masson's Trichrome HP SOP-0084 Methenamine Silver Method HP SOP-0089
Frozen tissue or BAL preparations	Lipids (in frozen tissue and BAL) Hepatitis B, copper-associated protein Distribution of glycogen in muscle biopsies Gycogen, mucins, fungi and basement membranes Ferric Iron Collagen Reticulin fibres	Oil Red O (Lillie & amp; Ashburn's Isopropanol Method) HP SOP-0093 Orcein (Shikata's) HP SOP-0094 Periodic Acid Schiff (PAS) +/- Amylase for muscle biopsies HP SOP- 0413 Periodic Acid Schiff (PAS) +/- Amylase HP SOP-0070 Perl's Prussian Blue HP SOP-0096 Picro-Sirius Red HP SOP-0227 Reticulin (Gordon & amp: Sweet's Method) HP SOP-0100
Frozen tissue	Lipids (frozen muscle biopsy)	Sudan Black HP SOP-0412



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Formalin- fixed paraffin embedded tissue sections on microscope slides	<u>Special Stains</u> (cont'd) For demonstration of: (cont'd) Mast Cells Calcium Mycobacterium Spirochaetes Acid- Fast Bacilli <u>Enzymatic Special Stains</u> For demonstration of: Esterase activity Acid phosphatase activity Presence/absence of oxidative enzymes (COX, SDH) Cytochrome oxidase activity	Manual Staining Techniques Toluidine Blue HP SOP-0105 Von Kossa HP SOP-0106 Wade-Fite HP SOP- 0108 Warthin & Starry HP SOP-0107 Ziehl-Neelsen (ZN) (Kinyoun's Cold Method HP SOP-0109 Manual Staining Techniques Acetyl Cholinesterase Method HP SOP-0112 Acid Phosphatase HP SOP-0404 Combined Cytochrome Oxidase (COX) and Succinate Dehydrogenase (SDH) HP SOP-0410 Cytochrome Oxidase (COX) HP SOP-0409
Frozen tissue – rectal biopsies		
Frozen tissue - muscle biopsies		
Frozen tissue - muscle biopsies		
Frozen tissue - muscle biopsies		



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
	<u>Enzymatic Special Stains</u> (cont'd)	Manual Staining Techniques
	For demonstration of: (cont'd)	
Frozen tissue - muscle biopsies	Myophosphorylase activity	Myophosphorylase HP SOP 0406
Frozen tissue - muscle biopsies	Muscle fibre type patterns	NADH Tetrazolium Reductase HP SOP-0407
Frozen tissue - muscle biopsies	Succinate Dehydrogenase activity	Succinate Dehydrogenase (SDH) HP SOP-0408
Formalin- fixed paraffin embedded tissue sections on microscope slides	<u>Immunohistochemistry</u>	Dako Autostainer Link 48- Automated IHC Stainer HP SOP201
	For demonstration of:	Localisation and visualisation of antigens as an aid to diagnosis using the following antibodies:
	Epithelial Cells	AE/AE3 Thermo
	Foetal Liver Cells	αFP Agilent (Dako)
	ALK protein and NPM-ALK chimeric protein	ALK Leica
	Neurons and astrocytes in brain, CSF, all foetal tissue	APP Merck
	Cytoplasmic staining in tumours	β-Catenin Agilent (Dako)
	Most normal tissue cell nuclei	BAF-47 (INI-1) BD Bioscience
	Mantle zone B-cells and all effector T-cells.	BCL2 Agilent (Dako)
	Cells expressing BCL6 protein	BCL6 Agilent (Dako)
	Complement split product C4d	C4D
	C5-b9 complex	C5. b9 Abcam



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides (cont'd)</p>	<p><u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry</u> (cont'd)</p> <p>For demonstration of: (cont'd)</p> <p>Peripheral nerve ganglion</p> <p>Epithelial Cells</p> <p>CD1a protein expression</p> <p>T cells</p> <p>Thymocytes and T helper cells</p> <p>CD5 antigen on T cells and a small number of B cells</p> <p>Cytotoxic/suppressor T cells</p> <p>All germinal centre cells of tonsil</p> <p>Reed-Sternberg cells in Hodgkin's Disease and granulocytes</p> <p>Germinal centre cells, mantle zone lymphocytes, and scattered interfollicular lymphocytes.</p> <p>Mature B cells and follicular lymphocytes</p> <p>B cells in the mantle zone and follicular dendritic reticulum cells in germinal centres</p> <p>Activated B and T cells, plasma cells and Reed-Sternberg cells in Hodgkin's Lymphoma</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Dako Autostainer Link 48- Automated IHC Stainer HP SOP201 Localisation and visualisation of antigens as an aid to diagnosis using the following antibodies:</p> <p>Calret Agilent (Dako)</p> <p>CAM 5.2 BD Bioscience</p> <p>CD1A Agilent (Dako)</p> <p>CD3 Leica</p> <p>CD4 Agilent (Dako)</p> <p>CD5 Leica</p> <p>CD8 Agilent (Dako)</p> <p>CD10 Agilent (Dako)</p> <p>CD15 Agilent (Dako)</p> <p>CD20cy Agilent (Dako)</p> <p>CD21 Agilent (Dako)</p> <p>CD23 Agilent (Dako)</p> <p>CD30 Agilent (Dako)</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides (cont'd)</p>	<p><u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry</u> (cont'd)</p> <p>For demonstration of: (cont'd)</p> <p>Endothelial cells</p> <p>All lymphoid cells</p> <p>CD56 antigen on the membrane of NK cells, a subset of activated T lymphocytes and neuroectodermal cells</p> <p>Macrophages</p> <p>B cells</p> <p>MIC2 gene products</p> <p>Mast Cells</p> <p>CEA-positive glycolyx surface of gastrointestinal cells.</p> <p>Secretory granules in cells of most neuroendocrine organs</p> <p>Several types of normal and neoplastic epithelia</p> <p>Adenocarcinoma arising from epithelia</p> <p>Cytomegalovirus-infected cells</p> <p>Mantle Cell Lymphomas</p> <p>Lymphatic endothelium, ganglion cells and nerve</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Dako Autostainer Link 48-Automated IHC Stainer HP SOP201 Localisation and visualisation of antigens as an aid to diagnosis using the following antibodies:</p> <p>CD34 Agilent (Dako)</p> <p>CD45 Agilent (Dako)</p> <p>CD56 Leica</p> <p>CD68K Agilent (Dako)</p> <p>CD79α Agilent (Dako)</p> <p>CD99 (mic2) Agilent (Dako)</p> <p>CD117 (CKit) Agilent (Dako)</p> <p>CEA Agilent (Dako)</p> <p>ChromA Agilent (Dako)</p> <p>CK7 Agilent (Dako)</p> <p>CK20 Agilent (Dako)</p> <p>CMV Agilent (Dako)</p> <p>CYCLIN D1 Agilent (Dako)</p> <p>D2-40 Agilent (Dako)</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides (cont'd)</p>	<p><u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry</u> (cont'd)</p> <p>For demonstration of: (cont'd)</p> <p>Smooth and striated muscle cells</p> <p>Epstein-Barr virus-infected cells expressing the latent membrane protein (LMP)</p> <p>Epithelial cells in a wide variety of tissues</p> <p>Endothelial cells</p> <p>A-subunit of coagulation Factor X111</p> <p>Astrocytes in CNS</p> <p>Erythrocyte membrane</p> <p>N-terminus Histone H3 with K27M mutation</p> <p>hCG-containing cells</p> <p>HLA class 1 antigens, widely distributed on most human nucleated cells</p> <p>Melanocytes</p> <p>Heat-stable antigens of the H. pylori organism</p> <p>HSV I infected cells</p> <p>HSV II infected cells</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Dako Autostainer Link 48-Automated IHC Stainer HP SOP201 Localisation and visualisation of antigens as an aid to diagnosis using the following antibodies:</p> <p>DESMIN (D33) Agilent (Dako)</p> <p>EBV Agilent (Dako)</p> <p>EMA Agilent (Dako)</p> <p>ERG Agilent (Dako)</p> <p>Factor XIIIa Thermo</p> <p>GFAP Agilent (Dako)</p> <p>Glut-1 Affinity Fisher</p> <p>H3-K27M Millipore</p> <p>HCG Agilent (Dako)</p> <p>HLA-ABC Agilent (Dako)</p> <p>HMB-45 Leica</p> <p>H. Pylori Agilent (Dako)</p> <p>HSV I Agilent (Dako)</p> <p>HSV II Thermo</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides (cont'd)</p>	<p><u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry</u> (cont'd)</p> <p>For demonstration of: (cont'd)</p> <p>Proliferating cells</p> <p>Poly (C9) component in the C5b-9 complex</p> <p>Mast Cells</p> <p>Epithelial Tissues</p> <p>Epithelial Antigen present on most epithelia</p> <p>MyoD1 positive cells</p> <p>Myoblasts in developing muscle tissue</p> <p>Uncharacterised molecule of 57kD found in most normal human tissues, including most epithelial and endothelial cells</p> <p>Neurons of the central and peripheral nervous system</p> <p>Nkx2.2 protein</p> <p>Neurons of neuroendocrine cells</p> <p>P57 protein</p> <p>Parvovirus B19 infected cells</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Dako Autostainer Link 48-Automated IHC Stainer HP SOP201 Localisation and visualisation of antigens as an aid to diagnosis using the following antibodies:</p> <p>Ki-67 Agilent (Dako)</p> <p>Mac-2 (C5b-9) Agilent (Dako)</p> <p>MCT Agilent (Dako)</p> <p>MNF116 Agilent (Dako)</p> <p>MOC31 Agilent (Dako)</p> <p>MyoD1 Agilent (Dako)</p> <p>Myogenin Biogenex</p> <p>NB84A Leica</p> <p>NFP Agilent (Dako)</p> <p>NKX 2.2 BD Bioscience</p> <p>NSE Agilent (Dako)</p> <p>P57 Leica</p> <p>Parvovirus Abcam</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Formalin- fixed paraffin embedded tissue sections on microscope slides (cont'd)</p>	<p><u>Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis</u> (cont'd)</p> <p><u>Immunohistochemistry</u> (cont'd)</p> <p>For demonstration of: (cont'd)</p> <p>Pro B cells, Pre-B cells and mature B cells. PAX-5 protein in follicular and non-follicular B cells of tonsil and spleen</p> <p>Neurons and Neuroendocrine cells</p> <p>Trophoblasts of placenta and germ cells in testis</p> <p>Melanocytes, Langerhans cells, histocytes, chondrocytes, adipocytes and Schwann cells</p> <p>Smooth muscle cells</p> <p>Near N-Terminus of SNF2b</p> <p>SV40 T-antigen from virus samples</p> <p>Neurons and Neuroendocrine cells</p> <p>Corticol thymocytes and primitive lymphocytes</p> <p>Transducin-like enhancer protein</p> <p>Brain and adrenal neurons</p> <p>Mesenchymal cells</p> <p>Wilms' Tumour Antigen</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Dako Autostainer Link 48-Automated IHC Stainer HP SOP201 Localisation and visualisation of antigens as an aid to diagnosis using the following antibodies:</p> <p>PAX-5 Leica</p> <p>PGP Agilent (Dako)</p> <p>PLAP Agilent (Dako)</p> <p>S100 Agilent (Dako)</p> <p>SMA Agilent (Dako)</p> <p>SNF/BRG1 Millipore</p> <p>SV40 Thermo</p> <p>Synapto Agilent (Dako)</p> <p>Tdt Cell Marque</p> <p>TLE1 (1F5) Cell Marque</p> <p>Tyrosine hydroxylase Leica</p> <p>Vim Agilent (Dako)</p> <p>WT-1 Leica</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	Histological/ Cytological Examination Activities for the Purpose of Clinical Diagnosis (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Bronchioalveolar Lavage Fluid and CSF Samples	<u>Diagnostic Cytology</u>	Preparation of a monolayer of cells using Class I Safety Cabinet MBCLASS1 Thermo Shandon Cytospin BAL and CSF Preparation HP SOP0401
Cytological preparations on microscope slides	Multichromatic stain to differentiate cells in cytological preparations	Papanicolaou stain using Rapid Chrome Staining Kit HP SOP 0402
	<u>Microbiological examinations to assist in clinical investigations</u>	Documented in house methods based on UK Standards for Microbiological Investigations (SMIs) and manufacturer's instructions for:
	<u>Bacteriology</u>	
Wound: Pus, Fluids, Swabs, Tissue	Isolation and characterisation of microorganisms of clinical significance	Manual Culture SOP - MBWOUND - Processing Wound Swabs and Associated Specimens SOP - MBINOCULATION - Inoculation of culture media in bacteriology
Catheter Drain and Line Tips	Isolation and characterisation of microorganisms of clinical significance	Manual Culture SOP – MBCANNULA - Processing cannulae and associated specimens SOP - MBINOCULATION - Inoculation of culture media in bacteriology



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMIs) and manufacturer's instructions for:
Respiratory Fluids: Sputum, Respiratory Aspirates, Bronchial Lavages Respiratory Swabs	<u>Bacteriology</u> (cont'd) Isolation of microorganisms of clinical significance Isolation and presumptive identification of non-tubercle Acid-alcohol fast bacilli	Manual Culture SOP – MBSPUTA - Processing respiratory specimens in bacteriology SOP – MBCF - Investigation of Sputum and associated specimens from Cystic fibrosis (CF) patients SOP - MBCL3 - Working in the CL3 Laboratory SOP – MBCLASSI - Working in the Class I safety cabinet SOP - MBINOCULATION - Inoculation of culture media in bacteriology
Swabs - Various	Isolation of MRSA	Manual Culture SOP - MBSCREEN - Screening specimens for MRSA, MSSA, Candida species and Neisseria meningitidis SOP - MBINOCULATION - Inoculation of culture media in bacteriology
Urine	Isolation and characterisation of microorganisms of clinical significance and Quantification of white and red blood cells, bacteria, casts and epithelial cells	Manual Culture and Microscopic Examination using Kovalslide Counting Chambers SOP – MBURINE - Processing Urine samples at Alder Hey SOP - MBINOCULATION - Inoculation of culture media in bacteriology
Swabs- Various	Isolation and characterisation of microorganisms of clinical significance (Surveillance Bacteriology)	Manual Culture SOP – MBSURVEILLANCE - Surveillance for potentially significant and resistant organisms in critically ill patients SOP - MBINOCULATION - Inoculation of culture media in bacteriology



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMIs) and manufacturer's instructions for:
CSF	<u>Bacteriology</u> (cont'd) Isolation and characterisation of microorganisms of clinical significance and cell count (red and white blood cells)	Manual Culture and Microscopical Examination using Kovaslide Counting Chamber SOP – MBCSF- Investigation of Cerebrospinal fluid SOP - MBINOCULATION - Inoculation of culture media in bacteriology
Faeces	Isolation of bacterial pathogens of clinical significance <i>Campylobacter</i> spp. <i>E.coli</i> O157 <i>Salmonella</i> sp. <i>Shigella</i> spp. <i>Yersinia enterocolitica</i>	Manual Culture SOP – MBFAECES - Investigation of faeces samples for bacterial pathogens SOP - MBINOCULATION - Inoculation of culture media in bacteriology
Faeces	Detection of <i>Clostridioides difficile</i> glutamate dehydrogenase (DGH) <i>C. difficile</i> toxins A & B	Lateral flow test using <i>Clostridioides difficile</i> QUIK CHEK Complete Rapid Cassette (Alere) SOP – MBQUICKCHEK - Detection of <i>C.difficile</i> antigen and toxin in stool samples using the QuikChek complete kit
Blood/ Transfusion Packs	Isolation and characterisation of microorganisms of clinical significance	Blood Culture using BacT/Alert 3D Monitoring System (bioMerieux) SOP – MBBC - Processing Blood Cultures samples at Alder Hey SOP – MBTRANSFUSION - Sampling blood for the investigation of Transfusion Reactions



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMIs) and manufacturer's instructions for:
ENT Swabs	<u>Bacteriology</u> (cont'd) Isolation and characterisation of microorganisms of clinical significance	Manual Culture SOP – MBEAR - Investigation of Ear Infections SOP – MBEYE - Investigation of Bacterial Eye Infection SOP – MBTHROAT - Investigation of Throat swabs SOP – MBNASAL - Investigation of nose swabs and associated nasal samples SOP – MBPERTUSSIS - Culture of specimens for <i>Bordetella pertussis</i> and <i>Bordetella parapertussis</i> SOP – MBBINAXNOWTREPA - BinaxNOW Strep A Test Kit
Bacterial Suspensions/ Cultures isolated in-house from all samples listed above	Antibiotic Susceptibility Testing of clinically significant bacteria	Using a combination of manual and automated techniques using EUCAST as appropriate SOP – MBAST - Antibiotic Sensitivity Testing Procedures SOP - MBVITEK2 - Bacterial Identification and Antimicrobial Susceptibility Testing using the BioMerieux Vitek2 Compact SOP – MBRESISTANCE - Resistance mechanism testing methods SOP - MBGRADIENTSTRIP_AST - Performing Antimicrobial Susceptibility Testing by MIC Gradient Strip Tests SOP - MBDISC DISPENSER - Use of a cartridge disc dispenser for antimicrobial susceptibility testing



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMLs) and manufacturer's instructions for:
Cultures isolated in-house from all samples listed above	<u>Bacteriology</u> (cont'd) Identification of microorganisms of clinical significance	Using identification strips, conventional tests and the Vitek 2 Compact (bioMerieux) SOP – MBORGID - Organism identification procedures SOP - MBORGID-TESTS - Diagnostic tests used for Bacterial Identification SOP - MBVITEK2 - Bacterial Identification and Antimicrobial Susceptibility Testing using the BioMerieux Vitek2 Compact
Bacterial and fungal isolates	Automated identification of microorganisms of clinical significance	Bruker MALDI-TOF SOP MBMALDI Microbiology 2291
Yeast Suspensions	<u>Mycology</u> Antifungal Susceptibility Testing of yeast of clinical significance	Sensititre Plates (Thermo Scientific) MBCANDIDA ID & SENS MBANTIFUNGAL_AST
Faeces, Sellotape Slides, Urine	<u>Parasitology</u> Detection of parasites (ova, cysts, trophozoites and worms) of clinical significance	Microscopy using Faecal Parasite Concentrator SOP – MBOCP - Examination of specimens other than blood for Ova, cysts and Parasites (OCP) SOP – MBEYECAL - Calibration of an eye piece micrometre



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMIs) and manufacturer's instructions for:
Serum (Blood)	<u>Serology</u> Identification of Streptococcal Antibodies -Antistreptolysin-O (ASO) and antiDNAase b	Latex agglutination and ELISA test SOP – MBASO - Rapid determination of the antistreptolysin-O titre (ASOT) in serum using the BioKit rheumajet ASO kit SOP – MBASD - Semi-quantitative determination of streptococcal antideoxyribonuclease B (anti DNAase b) using the bioMerieux ASD-Kit.
Nasopharyngeal Aspirates	<u>Virology</u> Detection of Respiratory syncytial virus (RSV)	Rapid RSV lateral flow Test using BinaxNOW (Alere) SOP – MBBINAXNOWRSV - Binax NOW RSV test



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN TISSUES AND FLUIDS (cont'd)</p> <p>Respiratory Aspirates, Combined Nose and Throat Swabs</p>	<p><u>Microbiological examinations to assist in clinical investigations</u> (cont'd)</p> <p><u>Molecular Diagnostics</u></p> <p>Detection/ Identification of Respiratory viruses and bacteria</p> <p>Adenovirus</p> <p>Coronavirus 229E</p> <p>Coronavirus HKU1</p> <p>Coronavirus NL63</p> <p>Coronavirus OC43</p> <p>Human Metapneumovirus</p> <p>Human Rhinovirus/Enterovirus</p> <p>Influenza A, including subtypes H1, H1-2009, and H3</p> <p>Influenza B</p> <p>Middle East Respiratory Syndrome Coronavirus (MERS-CoV)</p> <p>Parainfluenza Virus 1</p> <p>Parainfluenza Virus 2</p> <p>Parainfluenza Virus 3</p> <p>Parainfluenza Virus 4</p> <p>Respiratory Syncytial Virus</p> <p>Bordetella parapertussis (IS1001)</p> <p>Bordetella pertussis (ptxP)</p> <p>Chlamydia pneumoniae</p> <p>Mycoplasma pneumoniae</p>	<p>Documented in house methods based on UK Standards for Microbiological Investigations (SMIs) and manufacturer's instructions for:</p> <p>Nested PCR using FilmArray (bioMerieux) SOP – MBFILMARRAY - BioMerieux FilmArray PCR Platform procedures SOP - MBCL3 - Working in the CL3 Laboratory SOP - MBCLASS1 - Working in the Class I safety cabinet</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMLs) and manufacturer's instructions for:
Positive Blood Culture Broth	Identification of microorganisms of clinical significance Staphylococcus Staphylococcus aureus Enterococcus Streptococcus Streptococcus agalactiae Streptococcus pneumoniae Streptococcus pyogenes Haemophilus influenzae Neisseria meningitidis Listeria monocytogenes Enterobacteriaceae Acinetobacter baumannii Enterobacter cloacae complex Escherichia coli Klebsiella oxytoca Klebsiella pneumoniae Proteus Pseudomonas aeruginosa Serratia marcescens mecA – methicillin resistance vanA/B – vancomycin resistance KPC – carbapenem resistance Candida albicans Candida glabrata Candida krusei Candida parapsilosis Candida tropicalis	Nested PCR using FilmArray (bioMerieux) SOP – MBFILMARRAY - BioMerieux FilmArray PCR Platform procedures SOP - MBCL3 - Working in the CL3 Laboratory SOP - MBCLASS1 - Working in the Class I safety cabinet



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN TISSUES AND FLUIDS (cont'd)	<u>Microbiological examinations to assist in clinical investigations</u> (cont'd)	Documented in house methods based on UK Standards for Microbiological Investigations (SMLs) and manufacturer's instructions for:
CSF	Detection/ Identification of viruses and bacteria that may cause meningitis or encephalitis 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	Nested PCR using FilmArray (bioMerieux) SOP – MBFILMARRAY - BioMerieux FilmArray PCR Platform procedures SOP - MBCL3 - Working in the CL3 Laboratory SOP - MBCLASS1 - Working in the Class I safety cabinet
Rectal Swab/ Faeces	Carbapenemase resistance gene detection	SOP MBCEPHEID using Cepheid GeneXpert by PCR and Cepheid Xpert Carba-R Kit
Faeces	Detection of Norovirus	Cepheid Xpert Norovirus Kit
Nose/ throat swabs, ET aspirates/NPA	Detection of SARS CoV-2 RNA (E and N2 targets) (COVID)	Cepheid Xpert SARS-Cov-2 Kit



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Haematology Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis</u>	Documented in-house methods and manufacturer's operating instructions as specified:
Blood (EDTA)	Full Blood Count (FBC) Analysis for the following parameters: Hb, WBC, RBC, PCV, MCV, MCH, MCHC, RDW, Platelets, MPV, Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Reticulocytes, Nucleated RBC	Sysmex XN2000 Automated Haematology Analyser using Fluorescence flow cytometry, electrical impedance, SLS-haemoglobin method, RBC pulse height detection method, sheath flow direct current (DC) detection method and calculated red cell parameter. SOP Haematology 804
Blood	Detection of normal and abnormal blood cell morphologies and white blood cell differential.	Manual blood film and staining with a modified Wrights stain using Hematek staining machine and interpretation. HTR SOP 240717
Blood	Erythrocyte Sedimentation Rate	Manual modified Westegren Method using Aquisel P 4 Micro Dispette HTR SOP 170817
Blood	Glandular Fever Screen for Infectious Mononucleosis	Clearview IM II Glandular Fever Screening Kit- a rapid chromatographic immunoassay SOP Haematology 2356
Blood	Sickle Screening Test for Qualitative test to detect the presence of haemoglobin S	TCS Bioscience - Haemoglobin Solubility Test HTR SOP 230817
Blood	Screening for Malaria Parasites	Thick and thin blood films Preparing, staining and Morphology by Hematek staining machine and manual staining techniques – HTR SOP-2171 and HTR SOP 3000



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Haematology Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions as specified:
Bone Marrow Aspirate (EDTA)	Nucleated Cell count for assessment of Bone Marrow Harvest Cell Concentration	Sysmex XN2000 Automated Haematology Analyser using Fluorescence flow cytometry, electrical impedance, SLS-haemoglobin method, RBC pulse height detection method, sheath flow direct current (DC) detection method and calculated red cell parameters SOP Haematology 804
Bone Marrow	Examination of bone marrow films: in order to identify or exclude Morphological and Cytological abnormalities for the purpose of diagnosis	Manual slide preparation and interpretation. Staining of Bone Marrow Slides using the Hematek® Slide stainer and Manual May Grunwald/Giemsa stain. HTR SOP-0100 HTR SOP 190817 HTR SOP 250817
Blood	Coagulation studies for:	Sysmex CS2400 manufacturers' instructions as relevant: for all tests below unless otherwise stated Using clotting assay, chromogenic, immunoassay and aggregation methods
	Clotting Screen including, PT, APTT, APTT Ratio, Fibrinogen Clauss, Thrombin Time, Reptilase Time, PT and APTT mixing tests	Clotting Assay HTC SOP-2004 HTC SOP-1010 Inhibitor Assays



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Haematology Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis (cont'd)</u>	Documented in-house methods and manufacturer's operating instructions as specified:
Blood (cont'd)	Coagulation studies for: (cont'd)	Sysmex CS2400 manufacturers' instructions as relevant: for all tests below unless otherwise stated Using clotting assay, chromogenic, immunoassay and aggregation methods
	D-Dimer	Immunoassay HTC SOP-2003
	Von Willebrand's Screen Von Willebrand's Activity Von Willebrand's Antigen	Immunoassay HTC SOP-2008 HTC SOP-2007
	Clotting factor Assays including Factors; VIII, IX, XI, XII, II, V, VII, X	Clotting Assay HTC SOP-2006 HTC SOP-2005
	Factor XIII	Chromogenic Assay HTC SOP-2009
	ANTI Xa	Biophen Chromogenic Assay HTC SOP-2002
	Haemophilia A Inhibitor Screen F VIII	Clotting Assay HTC SOP-2010
	Human FIX Inhibitor Assay (Haemophilia B)	Clotting Assay HTC SOP-2010
Blood	Detection of Rheumatoid Factor	Mastalatex RA 80 -Latex Agglutination HTS SOP-0014



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Haematology Examination</u> <u>Activities for the Purpose of</u> <u>Clinical Diagnosis</u>	Documented in-house methods and manufacturer's operating instructions as specified:
Blood, Bone Marrow	Leukaemia Immunophenotyping Differential Leukaemia Phenotyping using Navios Flow Cytometer and the following antibodies, CD10,CD19, CD2, CD20, CD34, CD7, CD3, CD4, CD13, CD33, CD64, CD117,TDT, HLA-DR,DQ,DP	Navios Flow Cytometer Blood Sciences 1390
Blood, Bone Marrow	T and B Lymphocyte Subsets: CD45, CD3, CD4, CD8, CD19, CD56/16	Navios Flow Cytometer HTS SOP-140
Blood	CD34 Count	Navios Flow Cytometer HTS SOP-0006
Blood	Haemoglobinopathy investigations including; Hb Electrophoresis, Hb A2 Estimation, Hb A Assay, Hb S Assay, Hb F and identifications of abnormal Haemoglobins	TOSOH G8 HPLC HTS SOP-1000
CSF, Body Fluids	Presence of cellular material	Shandon Cytospin, Manual Microscopy and staining with a modified Wrights stain using Hematek staining machine and interpretation. HTR SOP-0100
Blood	Spherocytosis Screen	5-EMA by Flow cytometry SOP Blood Sciences 1335
Blood	G6PD Screen	Binax NOW G6PD Dye Reduction Slide Test SOP Haematology 442



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd) Blood	<p><u>Blood Transfusion Examinations to assist in clinical investigations</u></p> <p>Antibody ID Panel C, c, C(w), D, E, e, K, k, Kp(a), Js(a), Fy(a), Fy(b), Jk(a), Jk(b), S, s, M, N, P1, Le(a), Le(b), Lu(a), Co(b), Xg(a)</p> <p>Neonatal Blood Group and Direct Antiglobulin Test (patients <4m old)</p> <p>ABO and RhD systems:</p> <ul style="list-style-type: none"> - A RhD positive - B RhD positive - AB RhD positive - O RhD Positive - A RhD negative - B RhD negative - AB RhD negative - O RhD Negative <p>Group and Antibody Screen ABO and RhD systems:</p> <ul style="list-style-type: none"> - A RhD positive - B RhD positive - AB RhD positive - O RhD Positive - A RhD negative - B RhD negative - AB RhD negative - O RhD Negative <p>Antibody Screen C, c, C(w), D, E, e, K, k, Kp(a), Js(a), Fy(a), Fy(b), Jk(a), Jk(b), S, s, M, N, P1, Le(a), Le(b), Lu(a), Co(b), Xg(a)</p>	<p>Documented in-house methods and manufacturer's operating instructions as specified:</p> <p>Grifols Erytra Automated Immunohaematology Analyser and Manual Grifols Techniques using Gel Cards:</p> <p>HBT-026 Use of the Erytra for ABO, Rh(D), Grouping and Antibody Screening</p> <p>HBT-007 Manual grouping, DAT and antibody screening using the Grifols system and HBT-026- Use of the Automated Erytra for ABO, Rh(D) grouping and antibody screening</p> <p>HBT-007 Manual grouping, DAT and antibody screening using the Grifols system and HBT-026-Use of the Automated Erytra for ABO, Rh(D) grouping and antibody screening</p> <p>HBT-007 Manual grouping, DAT and antibody screening using the Grifols system and HBT-026-Use of the Automated Erytra for ABO, Rh(D) grouping and antibody screening</p>



9091
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

Alder Hey Children's NHS Foundation Trust

Issue No: 011 Issue date: 16 May 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (as stated) (cont'd)	<u>Blood Transfusion Examinations to assist in clinical investigations</u> (cont'd)	Documented in-house methods and manufacturer's operating instructions as specified:
Blood		Grifols Erytra Automated Immunohaematology Analyser and Manual Grifols Techniques using Gel Cards:
	Direct Antiglobulin Test (C3d, IgG,)	HBT-007 Manual grouping, DAT and antibody screening using the Grifols system and HBT-026-Use of the Automated Erytra for ABO, Rh(D) grouping and antibody screening
	Cross Match	HBT-004 Use of the Erytra for cross matching and issue of blood and HBT-006 Manual cross matching and issue of blood
Blood	Kleihauer Screen for foetal/maternal bleed estimation	Manual Staining/ Kleihauer Technique HTT SOP-0041
END		