


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>7874</b> Accredited to ISO 15189:2022	<b>Aneurin Bevan University Health Board</b>	
	<b>Issue No: 013</b>	<b>Issue date: 03 March 2025</b>
	<b>Headquarters</b> St Cadoc's Hospital Lodge Road Caerleon Newport NP18 3XQ	<b>Contact: Thomas Chinnick</b> <b>Tel: +44(0)7982 719881</b> <b>E-Mail: Thomas.Chinnick@wales.nhs.uk</b> <b>Website: www.wales.nhs.uk/sitesphis/866/home</b>
Testing performed by the Organisation at the locations specified below		

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

#### Laboratory locations:

Location details	Local Contact	Activity	Location code
Dept. of Blood Sciences Nevill Hall Hospital Brecon Road Abergavenny Monmouthshire NP7 7EG	Thomas Chinnick Blood Sciences Manager- Biochemistry 07982 719881	Haematology, Blood Transfusion, Coagulation, Clinical Chemistry, Blood fridge management (2 fridges)	NHH
Royal Gwent Hospital Cardiff Road Newport South Wales NP20 2UB	Thomas Chinnick Blood Sciences Manager- Biochemistry  07982 719881	Haematology, Blood Transfusion, Coagulation, Clinical Chemistry, Endocrinology Blood fridge management (3 fridges) Electronic blood issue	RGH
Ysbyty Ystrad Fawr Ystrad Fawr Way Ystrad Mynach Hengoed CF82 7EP	Stacey Wetherell Blood Sciences Manager- Haematology +44(0)1633 493255	Blood fridge management (2 fridges) Electronic blood issue	YYF
Grange University Hospital Caerleon Road Llanfrechfa Cwmbran NP44 8YN	Thomas Chinnick Blood Sciences Manager- Biochemistry 07982 719881	Haematology, Blood Transfusion, Coagulation, Clinical Chemistry Blood fridge management (3 fridges)	GUH



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**Additional site activities performed at main location listed above:**

Location details	Local Contact	Activity	Location code
Nevill Hall Hospital Brecon Road Abergavenny Monmouthshire NP7 7EG	Stacey Wetherell Blood Sciences Manager- Haematology +44(0)1633 493255	Phlebotomy: Outpatients department and wards	NHH



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**DETAIL OF ACCREDITATION**

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<b>HUMAN BODY FLUIDS</b>	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Plasma	Copper Zinc Selenium Aluminium	Perkin Elmer NexION 1000 using ICP-MS SOP BI1293	GUH
Plasma from Whole Blood (EDTA) Whole Blood (sodium heparin)	Lead	SOP BI1293 SOP BI1522	
Blood (heparin/lithium heparin whole blood),	Blood gases: pH Cl O <sub>2</sub> -Hb pCO <sub>2</sub> Ca CO-Hb pO <sub>2</sub> Glucose Meth-Hb Na Lactate K Hct HHb sO <sub>2</sub>	Werfen GEM 5000 blood gas analyser – using potentiometric, Amperometric sensors  SOP BI1214  SOP BI1261	RGH GUH NHH
Blood (lithium heparin whole blood)	CarboxyHaemoglobin	SOP BI1214	RGH GUH
	Standard bicarbonate Base excess	Calculated/ Derived Tests SOP BI1261	GUH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
CSF	Xanthochromia	Spectrophotometric method using Uvikon spectrophotometer SOP BIO0040	GUH
Faeces	Elastase	ELISA using ScheBo pancreatic elastase 1 kit on DS2 analyser SOP BI0466	GUH
Serum	Screening for the presence of paraprotein bands.	Capillary electrophoresis using Sebia Capillarys III SOP BI1025	GUH
Serum	Identification of IgG, IgA, IgM, kappa, lambda proteins	Capillary electrophoresis using Sebia Capillarys III SOP BI1025	GUH
Urine (no preservative)	Screening and classification of Bence Jones protein	Electrophoresis using Sebia Hydrasys II  SOP BI0287	GUH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Cryoglobulins	Precipitation of cryoprotein at 4°C followed by electrophoresis using Sebia Capillarys SOP BI1028	GUH
Blood (EDTA whole blood)	HbA1c	Cation exchange high performance liquid chromatography using Tosoh G11  SOP BI0260, BI1071	GUH
Random Urine (acid preservative)	Metanephrines: Metadrenaline Normetadrenaline	Using reverse-phase HPLC with electrochemical detection.  HPLC system Agilent 1100 series and Thermo Coulochem III detection  SOP BI1039	GUH
24- hour urine (acid preservative)	Normetadrenaline	SOP BI1039	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Renal calculi	Determination of the composition of renal stones to include stone types: Calcium Oxalate/Phosphate Uric acid Struvite Cystine	Thermos Nicolet iS10 spectrophotometer using FTIR spectroscopy  SOP BI1055	GUH
Urine (acid preservative)	$\beta$ hCG	Siemens CliniTek Status – reflectance photometry. CLINITEST hCG - rapid chromatographic immunoassay.  SOP BS0072	GUH
Serum	Vitamin A Vitamin E	Isocratic high-performance liquid chromatography using Agilent 1200 with UV/Visible detector SOP BI0301	GUH
Urine, Plasma	Osmolality	Osmometer OSMOL1 Model using freezing point depression SOP BI0305	GUH
Serum	Kappa and Lambda free light chains and Kappa: Lambda Ratio	Automated Immunoassay using kits produced by the binding site on the optilite analyser SOP BI1248	GUH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant  Siemens Atellica CH using the following methods: SOP BI1341	
Serum	a-1 anti-trypsin	Latex enhanced immunoturbidimetric	GUH
Serum	ACE	Kinetic	GUH
Serum, Lithium Heparin Plasma	Alanine transaminase	Modified IFCC	GUH RGH NHH
Serum, Lithium Heparin Plasma	Albumin	Colorimetric: bromocresol purple	GUH RGH NHH
Urine	Albumin	PEG-enhanced immunoturbidimetric	GUH
Serum, Lithium Heparin Plasma	Alkaline phosphatase	IFCC Standardization	GUH RGH NHH
Serum	Alpha-foetoprotein	Solid-phase, two site sandwich chemiluminescent immunometric assay	GUH
Urine	Amphetamine	EMIT	GUH
Serum, Lithium Heparin Plasma	Amylase	Ethylidene Blocked-pNPG7	GUH RGH NHH
Urine	Amylase	Ethylidene Blocked-pNPG7	GUH
Serum	ASO	Latex enhanced immunoturbidimetric	GUH
Serum Lithium Heparin Plasma	Aspartate transaminase	Modified IFCC	GUH
Urine	Benzodiazepine	EMIT	GUH
Serum	Beta-2-microglobulin	Latex-enhanced immunoturbidimetric assay	GUH
Serum, Lithium Heparin Plasma	Bicarbonate	Enzymatic	GUH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum, Lithium Heparin Plasma	Bile Acid	Siemens Atellica CH using the following methods: SOP BI1341 Enzymatic Cycling Colorimetric	GUH
Serum, Lithium Heparin Plasma	Bilirubin	Vanadate Oxidation	GUH RGH NHH
Serum, Lithium Heparin Plasma	Bilirubin conjugated	Vanadate Oxidation	GUH RGH NHH
Urine	Buprenorphine	EMIT	GUH
Serum	ACE	Kinetic	GUH
Serum, Lithium Heparin Plasma	Alanine transaminase	Modified IFCC	GUH RGH NHH
Serum, Lithium Heparin Plasma	Albumin	Colorimetric: bromocresol purple	GUH RGH NHH
Urine	Albumin	PEG-enhanced immunoturbidimetric	GUH
Serum, Lithium Heparin Plasma	Alkaline phosphatase	IFCC Standardization	GUH RGH NHH
Serum	Alpha-fetoprotein	Solid-phase, two site sandwich chemiluminescent immunometric assay	GUH
Urine	Amphetamine	EMIT	GUH
Serum, Lithium Heparin Plasma	Amylase	Ethylidene Blocked-pNPG7	GUH RGH NHH
Urine	Amylase	Ethylidene Blocked-pNPG7	GUH
Serum	ASO	Latex enhanced immunoturbidimetric	GUH





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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum Lithium Heparin Plasma	Aspartate transaminase	Siemens Atellica CH using the following methods: SOP BI1341 Modified IFCC	GUH
Urine	Benzodiazepine	EMIT	GUH
Serum	Beta-2-microglobulin	Latex-enhanced immunoturbidimetric assay	GUH
Serum, Lithium Heparin Plasma	Bicarbonate	Enzymatic	GUH
Serum, Lithium Heparin Plasma	Bile Acid	Enzymatic Cycling Colorimetric	GUH
Serum	C3	PEG-enhanced immunoturbidimetric	GUH
Serum	C4	PEG-enhanced immunoturbidimetric	GUH
Serum	Caerulopasmin	Turbidimetry	GUH
Serum, Lithium Heparin Plasma	Calcium	Arsenazo	GUH RGH NHH
Urine	Calcium	Arsenazo	GUH
Urine	Cannabis	EMIT	GUH
Serum	CEA	Two-step sandwich immunoassay using direct chemiluminescent technology	GUH
Serum, Lithium Heparin Plasma	Chloride	Indirect integrated Multisensor Technology (IMT)	GUH RGH NHH
Urine	Chloride	Indirect integrated Multisensor Technology (IMT)	GUH
Sweat	Chloride	ISE and SOP BI1220	GUH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum, Lithium Heparin Plasma	Cholesterol	Siemens Atellica CH using the following methods: SOP BI1341  Colorimetric: cholesterol esterase and cholesterol oxidase conversion followed by a Trinder endpoint	GUH RGH NHH
Urine	Citrate	Citric lyase	GUH
Urine	Cocaine	EMIT	GUH
Serum, Lithium Heparin Plasma	C-reactive protein (CRP)	Latex-enhanced immunoturbidimetric assay	GUH RGH NHH
Serum, Lithium Heparin Plasma	Creatine kinase	Enzymatic	GUH RGH NHH
Serum, Lithium Heparin Plasma	Creatinine	Jaffe, alkaline picrate, kinetic with blank rate correction	GUH RGH NHH
Urine	Creatinine	Jaffe, alkaline picrate, kinetic with blank rate correction	GUH RGH NHH
Serum	Digoxin	Latex-enhanced immunoturbidimetric	GUH
Urine	EDDP	Enzyme immunoassay	GUH
Sodium Fluoride/potassium oxalate Plasma	Ethanol	EMIT	GUH RGH NHH
Serum, Lithium Heparin Plasma	Gentamicin	Petinia	GUH
Serum, Lithium Heparin Plasma	G-Glutamyl transferase	Modified IFCC	GUH
Sodium fluoride/potassium oxalate Plasma; Urine; CSF	Glucose	Hexokinase	GUH RGH NHH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Haptoglobin	Siemens Atellica CH using the following methods: SOP BI1341 PEG-enhanced immunoturbidimetric	GUH
Serum, Lithium Heparin Plasma	HDL	Elimination/catalase	GUH RGH NHH
Serum	Immunoglobulin A	PEG-enhanced immunoturbidimetric	GUH
Serum	Immunoglobulin G	PEG-enhanced immunoturbidimetric	GUH
Serum	Immunoglobulin M	PEG-enhanced immunoturbidimetric	GUH
Serum, Lithium Heparin Plasma	Iron	Ferrozine	GUH
Sodium fluoride/potassium oxalate Plasma	Lactate	Lactate oxidase to pyruvate and hydrogen peroxide	GUH RGH NHH
Serum, Lithium Heparin Plasma	Lactate dehydrogenase	Lactate/NAD	GUH
Serum, Lithium Heparin Plasma	LH	2-site sandwich immunoassay using direct chemiluminescent technology	GUH
Serum	Lithium	Colorimetric endpoint chemistry	GUH
Serum, Lithium Heparin Plasma	Magnesium	Xylidyl Blue	GUH RGH NHH
Urine	Magnesium	Xylidyl Blue	GUH
Urine	Opiate	EMIT	GUH
Urine	Oxalate	Enzymatic	GUH
Serum, Lithium Heparin Plasma	Paracetamol	Colorimetric: acyl amidohydrolase	GUH RGH NHH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant  Siemens Atellica CH using the following methods: SOP BI1341	
Serum, Lithium Heparin Plasma	Phenobarbitone	Petinia	GUH
Serum, Lithium Heparin Plasma	Phenytoin	Petinia	GUH
Serum, Lithium Heparin Plasma	Phosphate	Phosphomolybdate	GUH RGH NHH
Urine	Phosphate	Phosphomolybdate	GUH
Serum, Lithium Heparin Plasma	Potassium	Indirect Integrated Multisensor Technology (IMT)	GUH RGH NHH
Urine	Potassium	Indirect Integrated Multisensor Technology (IMT)	GUH
Serum, Lithium Heparin Plasma	Protein	Biuret	GUH RGH NHH
Urine, CSF	Protein	Dye binding	GUH
Serum	PSA	2-site sandwich immunoassay using direct chemiluminescent technology	GUH
Serum	Rheumatoid Factor	Latex-enhanced immunoturbidimetric	GUH
Serum, Lithium Heparin Plasma	Salicylate	Colorimetric	GUH RGH NHH
Serum, Lithium Heparin Plasma	Sodium	Indirect Integrated Multisensor Technology (IMT)	GUH RGH NHH
Urine	Sodium	Indirect Integrated Multisensor Technology (IMT)	GUH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Testosterone	Siemens Atellica IM using the following methods: SOP BI1341  Competitive immunoassay using direct chemiluminescent technology	GUH
Serum	Theophylline	Petinia	GUH
Serum, Lithium Heparin Plasma	Transferrin	PEG-enhanced immunoturbidimetric	GUH
Serum, Lithium Heparin Plasma	Triglyceride	GPO	GUH RGH NHH
Serum, Lithium Heparin Plasma	Urea	Urease with GLDH	GUH RGH NHH
Urine	Urea	Urease with GLDH	GUH
Serum, Lithium Heparin Plasma	Uric Acid	Uricase/Peroxidase	GUH
Urine	Uric Acid	Uricase/Peroxidase	GUH
Serum, Lithium Heparin Plasma	Vancomycin	Petinia	GUH
Serum	Anti-HBcII	Antibody capture chemiluminescent immunometric assay	GUH RGH
Serum	Anti-HBs 2	Antibody capture chemiluminescent immunometric assay	GUH RGH
Serum	Anti-HCV	Indirect 2 wash sandwich chemiluminescent immunoassay	GUH RGH
Serum, Heparinized Plasma, EDTA Plasma	Anti-TPO	Competitive immunoassay using direct chemiluminescent technology	GUH RGH
Serum	CA125	Two-site sandwich Chemiluminescent immunometric assay	GUH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	CA15-3	Siemens Atellica IM using the following methods: SOP BI1341  Two-step sandwich immunoassay using direct chemiluminescent technology	GUH
Serum	CA 19-9	Two-step sandwich immunoassay using direct chemiluminescent technology	GUH
Faeces	Calprotectin	BÜHLMANN fCAL® turbo particle enhanced turbidimetric immunoassay	GUH
Serum	Cortisol	Competitive immunoassay using direct chemiluminescent technology	GUH RGH NHH
Urine	Cortisol	Competitive immunoassay using direct chemiluminescent technology	GUH
Faeces	Elastin	BÜHLMANN fCAL® turbo particle enhanced turbidimetric immunoassay	GUH
Serum, Lithium Heparin Plasma	Ferritin	Two-site sandwich immunoassay using direct chemiluminescence	GUH RGH NHH
Serum, Lithium Heparin Plasma	Folate	Competitive immunoassay using direct chemiluminescence	GUH RGH NHH
Serum, Lithium Heparin Plasma	Free T3	Competitive immunoassay using direct chemiluminescence	GUH
Serum, Lithium Heparin Plasma	Free T4	Competitive immunoassay using direct chemiluminescence	GUH RGH NHH



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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum, Lithium Heparin Plasma	FSH	Siemens Atellica IM using the following methods: SOP BI1341  2-site sandwich immunoassay	GUH
Serum	HCG	2 site sandwich immunoassay using direct chemiluminescent technology	GUH
Serum	Hepatitis A IgM	Antibody capture chemiluminescent immunoassay	GUH RGH
Serum	Hepatitis B Surface Antigen	Magnetic particle chemiluminometric immunoassay	GUH RGH
Serum	HIV	Indirect 2 Ag/Ab sandwich chemiluminescent immunoassay	GUH RGH
Serum	HS Troponin	High sensitive 3 site sandwich Immunoassay using direct chemiluminescent technology	GUH RGH NHH
Serum	NT pro BNP	2-site sandwich immunoassay using direct chemiluminescent technology	GUH
Serum, Lithium Heparin Plasma	Oestradiol	Competitive immunoassay using direct chemiluminescent technology.	GUH
EDTA Plasma	Parathyroid hormone	2-site sandwich immunoassay using direct chemiluminescent technology	GUH
Serum, Lithium Heparin Plasma	Procalcitonin	Two-site sandwich chemiluminescent immunometric assay	GUH
Serum, Lithium Heparin Plasma	Progesterone	Competitive immunoassay using direct chemiluminescent technology	GUH



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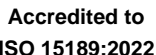
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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Serum, Lithium Heparin Plasma	Prolactin	Siemens Atellica IM using the following methods: SOP BI1341  2-site sandwich immunoassay using direct chemiluminescent technology	GUH
Serum, Lithium Heparin Plasma	Sex Hormone Binding Globulin	Sandwich immunoassay using direct chemiluminescent technology	GUH
Serum	Syphilis Screen (IgG/IgM)	Fully automated, antigen sandwich assay, using direct chemiluminescent technology	GUH RGH
Serum	Teicoplanin	Thermo Scientific QMS™ Teicoplanin homogenous particle-enhanced turbidimetric immunoassay	GUH
Serum; Heparinized Plasma	TSH	Using monoclonal antibodies and chemiluminescence	GUH RGH NHH
Serum, EDTA Plasma	Vitamin D	Competitive immunoassay using direct chemiluminescent technology	GUH
Serum, Lithium Heparin Plasma	Vitamin B12	Competitive immunoassay using direct chemiluminescent technology	GUH RGH NHH





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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u> (Cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Blood (EDTA whole blood)	Peripheral blood film assessment and identification of normal and abnormal morphologies including WBC differential count	Automated staining & Manual Microscopy using: Sysmex SP10 Using Romanowsky, Giemsa and May Grunwald stain SOP HA7985 HA 7997  Sysmex SP10 Using Romanowsky, Giemsa and May Grunwald stain SOP HA7985 HA 7997	RGH   NHH
Bone marrow aspirates and trephines	Bone marrow assessment for cell numbers, types, cellular components and morphology	Automated staining & Microscopy using: Sysmex SP10 (RGH and NHH) using Romanowsky, Giemsa & May Grunwald stain SOP HA7982  Sysmex SP50 (GUH) using Romanowsky, Giemsa & May Grunwald stain SOP HA8015  Manual Perls' stain SOP HA7978	RGH NHH GUH
Blood (EDTA whole blood)	Peripheral Blood Film assessment and identification of normal and abnormal morphologies including WBC differential count	Manual microscopy using Nikon microscope following automated staining using Sysmex SP500-Romanowsky, Giemsa & May Grunwald stain SOP HA8015 HA7997	GUH
Blood (EDTA/ Citrated whole blood)	Differential count of white blood cells (WBC), characterisation of red blood cell (RBC) morphology and platelet estimation.	Sysmex D160 Digital imaging system HA8016	GUH
Blood (EDTA whole blood)	Screening for the detection of <i>Plasmodium falciparum</i> and <i>Plasmodium</i> spp. including: <i>Plasmodium Ovale</i> <i>Plasmodium falciparum</i> <i>Plasmodium Malariae</i> <i>Plasmodium vivax</i>	Carestart RAPYDTEST Malaria Antigen test SOPBS0062  Lateral flow antigen detection.	RGH NHH GUH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Blood (EDTA whole blood)	Detection and Identification of Plasmodium species: <i>Falciparum</i> <i>P.vivax</i> <i>P.ovale</i> <i>P.malariae</i> <i>P.knowlesi</i>	Thin peripheral films Automated staining & Microscopy using: Automated staining using Sysmex SP50 Method: Romanowsky stains HA 8015 (SP50 GUH)	GUH
Blood serum/plasma (EDTA)	Infectious mononucleosis heterophile antibodies	Clearview IM II immuno-chromatographic Immunoassay kit  SOP HA7980	GUH RGH NHH
Blood (EDTA whole blood)	Haemoglobin S	Solubility Screen using Sickledex Test Kit, sodium hydrosulphite and PBS Buffer Solution SOP HA 7979	GUH RGH NHH  GUH



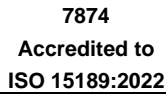
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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis (cont'd)</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Plasma (Citrated)		Sysmex CN6000 SOP HA2052	GUH
		Sysmex CN3000 SOP HA2052	RGH
		Sysmex CN3000 SOP HA2052	NHH
	Coagulation screen: Prothrombin time APTT Fibrinogen	Clotting time method (Optical Absorbance and kinetic optical density)	RGH GUH NHH
	Thrombin time	Using absorbance and kinetic optical density. SOP HA7941	GUH
	Rivaoxaban Apixaban	Using chromogenic assay SOP HA2052 HA2055	GUH
Plasma (Citrated)	INR	Clotting time method (Optical Absorbance and kinetic optical density) SOP HA2052	RGH GUH NHH
Plasma (Citrated)	D-dimer	Immunoturbidimetric assay SOP HA2052	RGH GUH NHH
Plasma (Citrated)	Heparin assays	Chromogenic assay  SOP HA2055	GUH
Plasma (Citrated)	Lupus: LA1 LA2 FSL	Clotting time assay (Optical Absorbance and kinetic optical density)  SOP HA2053	GUH
Plasma (Citrated)	Thrombophilia screen: Protein c Protein s ATIII	Chromogenic, immunoturbidimetric assay  SOP HA7954	GUH RGH NHH



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HUMAN BODY FLUIDS (cont'd)	<u>Blood transfusion examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Blood red cells/plasma (EDTA)	Blood grouping A, B, O, Rh (D)	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961  Manual technique using gel column agglutination technique (Bio-Rad) SOP HA3025	GUH
Plasma (EDTA)	Antibody screens -Rh group -Kell -Duffy -Kidd -Lewis -P -MNSs -Lutheran -Xg	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961  Manual technique using gel column agglutination technique (Bio-Rad) SOP HA3025	GUH
Blood (EDTA whole blood)	Rhesus/Kell typing	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961  Manual technique using gel column agglutination technique (Bio-Rad) SOP HA3025 HA3004 Positive Antibody Screen Investigation	GUH
Plasma (EDTA)	Antibody identification panels for Rh: D,C,E, c, e, C <sup>w</sup> , Kell: K, k, Kp <sup>a</sup> , Kp <sup>b</sup> Duffy: Fy <sup>a</sup> , Fy <sup>b</sup> Kidd: Jk <sup>a</sup> , Jk <sup>b</sup>  Lewis: Le <sup>a</sup> , Le <sup>b</sup> P: P <sub>1</sub> MNS: M,N,S,s Lutheran: Lu <sup>a</sup> , Lu <sup>b</sup> Xg: Xg <sup>a</sup>	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961 HA3004  Manual technique using gel column agglutination technique (Bio-Rad) SOP HA3025	GUH



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HUMAN BODY FLUIDS (cont'd)	<u>Blood transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	
Plasma (EDTA)	Antibody screening post RAADP (routine ante-natal anti-D prophylaxis)	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961  Manual technique using gel column agglutination technique (Bio-Rad) SOP HA3025	GUH
Blood (EDTA whole blood)	Direct Coombs Test – detection of red cell bound antibodies	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961  Manual method SOP HA3025	GUH
Blood (EDTA whole blood)	Foetal/maternal haemorrhage screen (Kleihauer)	Clinitech kit using Shepard's 2-part stain (Modified Kleihauer Stain) Method: manual acid elution technique  SOP HA301	GUH
Plasma (EDTA)	Serological crossmatch	Automated method using Bio-Rad IH-500 using column agglutination SOP HA7961, HA5507  Manual serological crossmatch using gel column agglutination technique (Bio-Rad) SOP HA 3033	GUH
Donor Red Blood Cells		Electronic issue using Haemonetics- Haemobank storage unit and Blood Track Manager HA7996 LF9325 LFBB0077	GUH RGH NHH YYF



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	<p>Total IgE</p> <p>Specific IgE:</p> <p>Mixed grasses- sweet-vernal, rye grass, timothy, cultivated rye and velvet grass</p> <p>Mixed moulds: penicillium, cladosporium, aspergillus, candida, alternaria, helminthosporium</p> <p>Mixed trees: box-elder, silver birch, hazel, oak, and London plane</p> <p>Silver Birch</p> <p>Aspergillus fumigatus</p> <p>Dermatophagoides pteronyssinus</p> <p>Cat epithelium</p> <p>Dog dander</p> <p>Horse dander</p> <p>Budgerigar feathers</p> <p>Rabbit epithelium</p> <p>Hamster epithelium</p> <p>Latex</p> <p>Honey Bee</p> <p>Common wasp</p> <p>Egg white</p> <p>Wheat</p> <p>Rice</p> <p>Soya</p> <p>White fish – cod</p> <p>Shrimp</p> <p>Tomato</p> <p>Peanut</p> <p>Hazelnut</p>	<p>Phadia Immunocap 200 analyser using sandwich immunoassay method</p> <p>HA8029</p> <p>HA1028</p> <p>HA1027</p>	GUH





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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Brazil nut Almond Coconut Cacao (chocolate) Pecan Cashew nut Pistachio Walnut Orange Strawberry Kiwi fruit Banana Lemon Grapefruit Cow's milk Cheese- Cheddar type	Phadia Immuncap 200 analyser using sandwich immunoassay method HA8029 HA1028 HA1027	GUH
Serum	Anti- nuclear Ab Liver Autoantibodies ANCA	Werfen Quantlyser 3000 using indirect immunofluorescence HA7999	GUH
Serum	Anti Intrinsic Factor Abs	Werfen Quanta Lyser Q3 using ELISA technique HA1037	GUH
Serum	Anti-Pemphigus/Pemphigoid Abs Anti-Islet cell Abs Anti IgA endomysial Abs Anti Crithidia lucillae (dsDNA)	Indirect Immunofluorescence using manual processing and UV microscope HA1112 HA1104	GUH



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	
Serum	Anti-TTG IgA antibodies Anti-TTG IgG antibodies dsDNA Screen Anti -ENA screen Anti-ENA characterisation Anti-Cardiolipin antibodies IgM/IgG Anti-B2 GP1 and GP2 antibodies IgG/IgM Anti -MPO antibodies Anti- PR3 antibodies Anti-CCP (MCV) antibodies Anti-GBM antibodies	Werfen Bioflash using chemiluminescence HA8002 and  HA1042 HA1041 HA1033 HA1034 HA1035 HA1030  HA1032  HA1038 HA1039 HA1043 HA1036	GUH
END			