


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL</p> <p>7874</p> <p>Accredited to ISO 15189:2012</p>	<p>Aneurin Bevan University Health Board</p> <p>Issue No: 008 Issue date: 02 January 2020</p>	
	<p>Headquarters St Cadoc's Hospital Lodge Road Caerleon Newport NP18 3XQ</p>	<p>Contact: Matthew Line Tel: +44(0)1633 234479/234917 E-Mail: Matthew.Line2@wales.nhs.uk Website: www.wales.nhs.uk/sitesphis/866/home</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Local Contact	Activity	Location code
Dept. of Blood Sciences Nevill Hall Hospital Brecon Road Abergavenny Monmouthshire NP7 7EG	Matthew Line Haematology Department Manager +44(0)1633 234479/234917	Haematology, Blood Transfusion, Coagulation, Clinical Chemistry, Endocrinology, Blood fridge management (2 fridges)	NHH
Royal Gwent Hospital Cardiff Road Newport South Wales NP20 2UB	Mario Minoli Blood Sciences Manager +44(0)1633 234491/234490	Haematology, Blood Transfusion, Coagulation, Clinical Chemistry, Endocrinology Blood fridge management (5 fridges) Electronic blood issue	RGH
Ysbyty Ystrad Fawr Ystrad Fawr Way Ystrad Mynach Hengoed CF82 7EP	Mario Minoli Blood Sciences Manager +44(0)1633 234491/234490	Biochemistry Haematology Blood fridge management (2 fridges) Electronic blood issue	YYF



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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	Matthew Line Haematology Department Manager +44(0)1633 234479/234917	Phlebotomy: Outpatients department and wards	NHH
Children's Assessment Unit Royal Gwent Hospital	Matthew Line Haematology Department Manager +44(0)1633 234479/234917	Sweat test sample using Wescor Macroduct sweat collection system	CAU



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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
HUMAN BODY FLUIDS Unless otherwise stated Serum is derived from SST samples and Plasma is LiHep	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant Abbott architect ci8000, ci8200, ci2000 and ci16000 SOP BI0430, BI1066, BI1191 Abbott architect ci8200/ci16200 SOP BIN001 Methods incl. Kinetic, Colorimetric, Indirect ion selective electrode (ISE), one-step and two-step immunoassays	RGH YYF NHH
Serum, Plasma	Alanine aminotransferase (ALT)	NADH (without p-5'-p)	RGH YYF
Serum, Plasma, Urine	Albumin	Bromocresol purple	RGH YYF NHH
Serum, Plasma	Alkaline phosphatase (ALP)	Para-nitrophenyl phosphate	RGH YYF NHH
Serum, Plasma	Alpha fetoprotein (AFP)	Two-step immunoassay using chemiluminescent microparticle immunoassay (CMIA)	RGH NHH
Serum, Plasma	Alpha-1-antitrypsin	Turbidimetry	RGH
Serum, Plasma, Urine	Amphetamines	Enzyme immunoassay	RGH
Serum, Plasma	Amylase	Cnpg3 substrate	RGH YYF NHH
Urine	Amylase	Cnpg3 substrate	RGH
Serum, Plasma	Angiotensin converting enzyme (ACE)	Enzymatic/colourimetric (Audit kit)	RGH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH YYF
Serum, Plasma	Anti-thyroid peroxidase antibodies (TPO)	Abbott architect ci8200/ci16200 SOP BIN001	NHH
Serum, Plasma	Aspartate aminotransferase	Two-step immunoassay using CMIA	RGH NHH
Urine	Benzodiazepines	Nadh (without p-5'-p)	RGH NHH
Serum, Plasma	Benzodiazepines	Enzyme immunoassay	RGH
Serum, Plasma	Beta human chorionic gonadotropin (β -hCG)	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Beta-2-microglobulin	Immunoturbidimetry	RGH
Serum, Plasma	Bicarbonate	PEP Carboxylase	NHH
Serum, Plasma	Bile acids	Enzymatic colourimetric	RGH NHH
Serum, Plasma	Bilirubin, direct (conjugated)	Diazo reaction	RGH YYF NHH
Serum, Plasma	Bilirubin, total	Diazonium salt	RGH YYF NHH
Urine	Buprenorphine	CEDIA	RGH
Serum, Plasma	Ca125	Two-step immunoassay using CMIA	RGH
Serum, Plasma	Ca15.3	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Ca19.9	Two-step immunoassay using CMIA	RGH
Serum, Plasma	Caeruplasmin	Immunoturbidimetric	RGH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH YYF
Serum, Plasma	Calcium	Abbott architect ci8200/ci16200 SOP BIN001	NHH
Urine	Calcium	Arsenazo III	RGH YYF NHH
Urine	Cannabinoids	Arsenazo III	RGH
Blood	Carbon dioxide	Enzyme immunoassay	RGH
Serum, Plasma	Carbon dioxide	Pep carboxylase	RGH
Serum, Plasma	Carcinoembryonic antigen (CEA)	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma, Urine	Chloride	Ion-selective electrode diluted (indirect)	RGH NHH
Serum, Plasma	Cholesterol	Enzymatic	RGH YYF NHH
Urine (acid preservative)	Citrate	R-Biopharm citric acid kit and run on the Architect c16000 Enzymatic spectrophotometric SOP BI1063	RGH
Urine	Cocaine	Enzyme immunoassay	RGH
Blood	Complement c3	Immunoturbidimetric	RGH
Blood	Complement c4	Immunoturbidimetric	RGH
Serum, Plasma	Cortisol	One-step immunoassay using CMIA	RGH NHH
Urine	Cortisol	One-step immunoassay using CMIA	RGH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH YYF
Serum, Plasma	C-reactive protein (CRP)	Abbott architect ci8200/ci16200 SOP BIN001	NHH
Serum, Plasma	Creatine kinase (CK)	Immunoturbidimetric	RGH YYF NHH
Serum, Plasma	Creatine kinase (CK)	Nac (n-acetyl-l-cysteine)	RGH YYF NHH
Serum, Plasma	Creatinine	Kinetic alkaline picrate (Jaffé method)	RGH YYF NHH
Serum, Plasma	Digoxin	Particle-enhanced turbidimetric inhibition immunoassay (PETINIA)	RGH NHH
Plasma (Fluoride oxalate)	Ethanol	Alcohol dehydrogenase	RGH NHH
Serum, Plasma	Estradiol (Oestradiol)	CMIA	RGH NHH
Serum	Ferritin	Two-step immunoassay using CMIA	RGH NHH
Serum	Folate	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Follicle-stimulating hormone (FSH)	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	FreeT3	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Free T4	Two-step immunoassay using CMIA	RGH YYF NHH



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH YYF
Serum, Plasma	Gamma-glutamyl transferase (GGT)	Abbott architect ci8200/ci16200 SOP BIN001 L-gamma-glutamyl-3-carboxy-4-nitroanilide substrate	NHH RGH YYF NHH
Serum/Plasma	Gentamicin	Chemiluminescent microparticle immunoassay	NHH
Plasma (Fluoride oxalate)	Glucose	Hexokinase/G-6-PDH	RGH YYF NHH
CSF	Glucose	Hexokinase/G-6-PDH	RGH NHH
Blood	Haptoglobin	Immunoturbidimetric	RGH
Serum, Plasma	High-density lipoprotein (HDL) cholesterol	Accelerator selective detergent	RGH YYF NHH
Serum, Plasma	Hs troponin-I	Two-step sandwich immunoassay using CMIA	RGH YYF NHH
Serum, Plasma	Immunoglobulin A	Immunoturbidimetric	RGH
Serum, Plasma	Immunoglobulin G	Immunoturbidimetric	RGH
Serum, Plasma	Immunoglobulin M	Immunoturbidimetric	RGH
Serum, Plasma	Iron	Ferene-s	RGH NHH
Serum, Plasma	Lactate dehydrogenase (LDH)	Lactate to pyruvate	RGH YYF NHH
Plasma (Fluoride oxalate)	Lactic acid/Lactate	Lactic acid to pyruvate	RGH NHH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of</u>	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH



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	<u>clinical diagnosis</u> (cont'd)		YYF
Serum, Plasma	Lithium	Abbott architect ci8200/ci16200 SOP BIN001	NHH
Serum, Plasma	Luteinizing hormone (LH)	Colorimetric	RGH
Serum	Magnesium	Two-step immunoassay using CMIA	RGH NHH
Urine	Magnesium	Enzymatic	RGH YYF NHH
Urine	Magnesium	Enzymatic	RGH
Urine	Methadone metabolite (EDDP)	CEDIA	RGH
Urine	Microalbumin	Immunoturbidimetric	RGH
Urine	Opiates	Enzyme immunoassay	RGH
Urine (acid preservative)	Oxalate	Spectrophotometric	RGH
Serum, Plasma	Paracetamol	Enzymatic/ Colorimetric	RGH NHH
Serum, Plasma	Phenobarbital	Particle-enhanced turbidimetric inhibition immunoassay (PETINIA)	RGH
Serum, Plasma	Phenytoin	Homogeneous enzyme immunoassay	RGH
Serum, Plasma	Phosphate	Phosphomolybdate	RGH YYF NHH
Urine	Phosphate	Phosphomolybdate	RGH
Serum, Plasma	Potassium	Ion-selective electrode diluted (indirect)	RGH YYF NHH
Urine	Potassium	Ion-selective electrode diluted (indirect)	RGH NHH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination</u> <u>activities for the purpose of</u>	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH



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	<u>clinical diagnosis</u> (cont'd)		YYF
Serum, Plasma	Procalcitonin (PCT)	Abbott architect ci8200/ci16200 SOP BIN001 One-step immunoassay using CMIA	NHH RGH
Serum, Plasma	Progesterone	One-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Prolactin	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Prostate-specific antigen (PSA), total	Two-step immunoassay using CMIA	RGH NHH
Serum, Plasma	Protein, total	Biuret	RGH YYF NHH
CSF	Protein	Photometric	RGH NHH
Serum, Plasma	Rheumatoid factor (RF)	Immunoturbidimetry	RGH NHH
Serum, Plasma	Salicylate	Enzymatic	RGH YYF NHH
Serum, Plasma	Sex hormone-binding globulin (SHBG)	Two-step immunoassay using CMIA	RGH
Serum, Plasma	Sodium	Ion-selective electrode diluted (indirect)	RGH YYF NHH
Urine	Sodium	Ion-selective electrode diluted (indirect)	RGH NHH
Serum, Plasma	Testosterone	One-step immunoassay using CMIA	RGH
Serum, Plasma	Theophylline	Enzyme immunoassay	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination</u> <u>activities for the purpose of</u>	Abbott architect ci8000, ci8200, ci2000 and ci16000	RGH



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	<u>clinical diagnosis</u> (cont'd)		YYF
Serum, Plasma	Thyroid-stimulating hormone (TSH)	Abbott architect ci8200/ci16200 SOP BIN001 Two-step immunoassay using CMIA	NHH RGH YYF NHH
Serum, Plasma	Transferrin	Immunoturbidimetric	RGH NHH
Serum, Plasma	Triglyceride	Glycerol phosphate oxidase	RGH YYF NHH
Serum, Plasma	Urea	Urease	RGH YYF NHH
Urine	Urea	Urease	RGH
Serum, Plasma	Uric acid	Uricase	RGH YYF NHH
Urine	Uric acid	Uricase	RGH
Serum, Plasma	Vancomycin	PETINA method	NHH
Serum	Vitamin B12	Two-step immunoassay using CMIA	RGH NHH
Plasma (EDTA)	Vitamin D	Two-step immunoassay using CMIA	RGH NHH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	(cont'd)		
Serum, Plasma	Estimated monomeric prolactin	PEG precipitation of macroprolactin complexes followed by prolactin assay on Abbott ci2000 SOP BI0311, BI1191	RGH
24hr urine	5-HIAA output	By calculation	RGH
24hr urine	Calcium output	By calculation	RGH
24hr urine	Citrate output	By calculation	RGH
24hr urine	Copper output	By calculation	RGH
24hr urine	Sodium output	By calculation	RGH
24hr urine	Potassium output	By calculation	RGH
24hr urine	Creatinine Output	By calculation	RGH
24hr urine	Urea Output	By calculation	RGH
24hr urine	Free cortisol output	By calculation	RGH
24hr urine	Magnesium output	By calculation	RGH
24hr urine	Noradrenaline output	By calculation	RGH
24hr urine	Adrenaline output	By calculation	RGH
Urine	5-HIAA: creatinine ratio	By calculation	RGH
Urine	Albumin: creatinine ratio	By calculation	RGH
Urine	Calcium: creatinine ratio	By calculation	RGH
Urine	Citrate: creatinine ratio	By calculation	RGH
Urine	Copper: creatinine ratio	By calculation	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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	(cont'd)		
Serum	Cholesterol:HDL ratio	By calculation	RGH
Serum	LDL Cholesterol	By calculation	RGH
Serum	Free Androgen Index	By calculation	RGH
Urine	Glycosaminoglycan: creatinine ratio	By calculation	RGH
24hr urine, serum	Creatinine clearance	By calculation	RGH
Serum	AKI Alert	By calculation	RGH YYF
Serum	Calcium (adjusted)	By calculation	RGH YYF
Serum	Globulin	By calculation	RGH YYF
Serum	Estimated GFR	By calculation	RGH YYF
Sweat	Sweat test (chloride)	Chloride analysis using ISE on Abbott architect ci8000/ci16000 SOPBI0460, BI1043, BI0430, BI0431	RGH
Plasma (fluoride oxalate) Urine (no preservative)	Alcohol	Agilent intelligent GC-FID: gas liquid chromatography SOP BI0203	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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Whole Blood, Plasma	(cont'd) Ammonia	Ammonia checker II-AA4120 using reflectometry. SOP BI0033 SOP BIO033	RGH NHH
Blood (heparin/lithium heparin whole blood), Plasma (EDTA)	Blood gases: pH Cl O2-Hb pCO ₂ Ca CO-Hb pO ₂ Glucose Meth-Hb Na Lactate K Hct HHb sO ₂	Werfen GEM 5000 blood gas analyser – using potentiometric, Amperometric sensors SOP BI1214 SOP BIO1261	RGH YYF NHH
Blood (Sodium heparin/lithium heparin whole blood)	CarboxyHaemoglobin		RGH
Faeces	Calprotectin	ELISA using Bühlmann calprotectin ELISA kit on DS2 analyser SOP BIO1081	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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CSF	(cont'd) Xanthochromia	Spectrophotometric method using Perkin Elmer lambda 25 spectrophotometer SOP BIO0241	RGH
Urine (no preservative)	Mucopolysaccharides	Spectrophotometric method using Uvikon spectrophotometer SOP BIO0040	NHH
Faeces	Elastase	Spectrophotometric method using Perkin Elmer lambda 25 spectrophotometer and DMB reagent SOP BI0275	RGH
Serum	Screening for the presence of paraprotein bands.	ELISA using ScheBo pancreatic elastase 1 kit on DS2 analyser SOP BI0466	RGH
Serum	Identification of IgG, IgA, IgM, kappa, lambda proteins	Capillary electrophoresis using Sebia Capillarys II SOP BI1025	RGH
Urine (no preservative)	Screening and classification of Bence Jones protein	Electrophoresis using Sebia Hydrasys SOP BI0287	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Serum	(cont'd) Cryoglobulins	Precipitation of cryoprotein at 4°C followed by electrophoresis using Sebia Hydrasys SOP BI1028	RGH
Blood (EDTA whole blood)	HbA1c	Cation exchange high performance liquid chromatography using Tosoh G11 SOP BI0260, BI1071	RGH
Urine (no preservative)	Screen for 5HIAA	Using Chromsystems kit and reverse-phase HPLC with electrochemical detection. HPLC system Agilent 1100 series and Thermo Coulochem III detection SOP BI0200	RGH
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	RGH
Serum Urine (no preservative)	Osmolality	Freezing point depression using Advanced micro-osmometer model 3320 SOP BIO0305 SOP BIO089	RGH NHH
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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Urine (no preservative)	Reducing substances	Manual method using Benedict's reagent SOP BI1057	RGH
Renal calculi	Determination of the composition of renal stones to include stone types: Calcium Oxalate/Phosphate Uric acid Struvite Cystine	Thermos Nicolet iS10 spectrophotometer SOP BI1055	RGH
Urine (acid preservative)	β hCG	Siemens CliniTek Status – reflectance photometry. CLINITEST hCG - rapid chromatographic immunoassay. SOP BS0072 SOP BIO284	RGH NHH
Serum	Vitamin A	Isocratic high-performance liquid chromatography using Agilent 1200 with UV/Visible detector SOP BI0301	RGH
Serum	Vitamin E	SOP BI0301	RGH
Serum	Quantification of kappa and lambda free light chains	Automated immunoassay using kits produced by the Binding Site on the Optilite analyser SOP BI1248	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	



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Blood (EDTA whole blood)	ESR	Automated method using: Interliner at RGH SOP HA0111	RGH
		Starrsed Autocompact SOP HA5041 Method: Westergren	NHH
Plasma (EDTA)	ESR	Manual Westergren method SOP HA0128	RGH
		Benson Viscometer BV200 mk 3 using viscometry SOP HA5066	NHH
Blood (EDTA whole blood)	Full blood count : Haemoglobin White blood cell count Red blood count Platelet count Haematocrit Mean cell volume Mean cell haemoglobin Mean cell haemoglobin concentration Neutrophil count Lymphocyte count Monocyte count Eosinophil count Basophil count Reticulocyte count Nucleated red cells	Sysmex XN9000 analysers SOP HA0101, HA0102	RGH
		Sysmex XN2000 analysers SOP HA7200	YYF
		Sysmex XN3000 line incorporating 2 x XN10 analysers SOP HA7956 <ul style="list-style-type: none"> • Fluorescence flow cytometry • Impedance • Spectrophotometry • Hydrodynamic focussing 	NHH
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	



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Blood (EDTA whole blood)	Peripheral blood film assessment and identification of normal and abnormal morphologies including WBC differential count	Automated staining & Microscopy using: Sysmex SP10 & Romanowsky stain SOPHA0109, HA0103 Sysmex SP10 & Wright Stain SOP HA5024, HA5028, HA7957	RGH NHH
Bone marrow aspirates and trephines	Bone marrow assessment for cell numbers, types, cellular components and morphology	Automated staining & Microscopy using: Sysmex SP10 & Romanowsky stain SOP HA0109, HA0116 Sysmex SP10 & Wright Stain Manual Wrights stain for Trephines SOP HA7957, HA5058 Manual Perls stain RGH SOP HA0117	RGH NHH
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 ROPYDTEST Malaria Antigen test SOP HA0138, BS0062 Lateral flow antigen detection.	RGH NHH
Blood (EDTA whole blood)	Detection and Identification of <i>Plasmodium</i> species: <i>Falciparum</i> <i>P.vivax</i> <i>P.ovale</i> <i>P.malariae</i> <i>P knowlesi</i>	Thick and Thin peripheral films Automated staining & Microscopy using: Automated staining using Sysmex SP10 Method: Romanowsky stains SOP BS0064, HA0138 SOP HA7957, HA5024, HA5030	RGH NHH
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	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Blood serum/plasma (EDTA)	Detection of infectious mononucleosis heterophile antibodies	Clearview IM II immuno-chromatographic Immunoassay kit SOPHA0131 SOP HA5034	RGH NHH
Blood (EDTA whole blood)	Screening for the presence of reduced sickle haemoglobin (HbS)	TCS Sickle-check screening kit Method: manual solubility test SOPHA0130 SOP HA5031	RGH NHH
Blood (EDTA whole blood)	G-6-PD screen	Trinity biotech G-6-PD screening kit Method: qualitative, visual florescence screening SOPHA1058, HA1061	RGH
Plasma (Citratd)		Sysmex CS5100i RGH SOPHA2052 CS2500i YYF SOPHA2029 SOP HA5201, HA5210, HA5212, HA5213, HA2052, HA7941	RGH YYF NHH
Plasma (Citratd)	Coagulation screen: Prothrombin time APTT Fibrinogen INR	Clotting time method (Optical Absorbance and kinetic optical density) Clotting time method (Optical Absorbance and kinetic optical density)	RGH YYF NHH RGH YYF NHH
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	



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Plasma (Citrated)	D-dimer	Immunoturbidimetric assay	RGH YYF NHH
Plasma (Citrated)	Heparin assays	Chromogenic assay SOPHA2055	RGH
Plasma (Citrated)	Lupus: LA1 LA2 FSL	Clotting time assay (Optical Absorbance and kinetic optical density) SOPHA2053	RGH
Plasma (Citrated)	Thrombophilia screen: Protein c Protein s ATIII	Chromogenic, immunoturbidimetric assay SOPHA7954	RGH
Blood (Citrate whole blood)	Platelet Function Test through measurement of blood flow	Sysmex PFA100 SOP BS0069	NHH
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 Unless otherwise stated Automated method using Bio-Rad IH-500 using column agglutination Manual technique using gel column agglutination technique (Bio-Rad) SOP HA3087, HA3025, HA3004, HA3087 SOP HA7961, HA7960	RGH NHH
Blood red cells/plasma (EDTA)	Blood grouping A, B, O, Rh (D)	SOP HA7961 SOP HA7961, HA7960	RGH NHH
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	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Plasma (EDTA)	Antibody screens -Rh group -Kell -Duffy -Kidd -Lewis -P -MNSs -Lutheran -Xg	SOP HA7961	RGH
		SOP HA7961, HA7960	NHH
Blood (EDTA whole blood)	Rhesus/Kell typing	SOP HA3033	RGH
		SOP HA7950	NHH
Plasma (EDTA)	Antibody identification panels for Rh: D,C,E, c, e, C ^w , Kell: K, k, Kp ^a , Kp ^b Duffy: Fy ^a , Fy ^b Kidd: Jk ^a , Jk ^b Lewis: Le ^a , Le ^b P; P ₁ MNS: M,N,S,s Lutheran: Lu ^a , Lu ^b Xg: Xg ^a	Automated method using Bio-Rad IH-500 using column agglutination (only)	
		SOP HA3087, HA3025, HA 3004, HA 3087 SOP HA7961, HA7960	RGH NHH
Plasma (EDTA)	Antibody screening post RAADP (routine ante-natal anti-D prophylaxis)	Manual technique using gel column agglutination technique (Bio-Rad) (only)	
		SOP HA3004 SOP HA7935	RGH NHH
Blood (EDTA whole blood)	Direct Coombs Test – detection of red cell bound antibodies	SOP HA3025	RGH
		SOP HA7949	NHH
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	



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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 SOPHA3010 SOP HA7947	RGH NHH
Plasma (EDTA)	Serological crossmatch Electronic issue (RGH only)	Manual serological crossmatch using gel column agglutination technique (Bio-Rad) (only) SOP HA3029, HA3028 SOP HA55707	RGH NHH
Blood red cells/plasma (EDTA)	Red cell antibody identification	Manual method using gel column agglutination technique (Bio-Rad) (only) SOP HA3004 SOP HA5516, HA5518	RGH NHH
Blood (EDTA whole blood)	Rhesus/kell typing	Automated method using Bio-Rad IH-500 using column agglutination Manual technique using gel column agglutination technique (Bio-Rad) SOP HA7950	NHH
Blood (EDTA whole blood)	Red cell phenotyping	Manual method using gel column agglutination technique (Bio-Rad) SOPHA3006	RGH
Blood (EDTA whole blood)	Red cell phenotyping	Manual technique using gel column agglutination technique (Bio-Rad) (only) SOP HA3033	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions where relevant	RGH



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Serum	DSDNA screen	Launch DS2 analyser ELISA method SOP HA1044 SOP HA1033	
Serum	ENA screen	SOP HA1034	
Serum	ENA characterisation	SOP HA1035	
Serum	Anti Cardiolipin abs	SOP HA1030	
Serum	Anti B2 GP1 abs	SOP HA1032	
Serum	Anti GBM abs	SOP HA1036	
Serum	Anti MO abs	SOP HA1038	
Serum	Anti PR3 bs	SOP HA1039	
Serum	Anti IgA TTG abs	SOP HA1041	
Serum	Anti IgG TTG abs	SOP HA1042	
Serum	Anti MCV abs	SOP HA1043	
Serum	Anti Intrinsic Factor abs	SOP HA1037	
Serum	Pemphigus/pemphigoid abs Islet abs IgA endomysial abs Crithidia lucillae (dsDNA) abs	SOP HA1100, HA1112, HA1104	RGH
Serum	Total IgE level	Phadia Immunocap 100 analyser using sandwich immunoassay method SOP HA1029, HA1028, HA1026	RGH
HUMAN BODY FLUIDS (cont'd)	<u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd)	In house documented methods incorporating manufacturers' instructions where relevant	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Serum	<p>Specific IgE level to the following allergens:</p> <p>Mixed grasses: sweet-vernal, rye-grass, timothy, cultivated rye and velvet grass</p> <p>Mixed trees: penicillium, Cladosporium, aspergillus, candida, Alternaria, helminthosporium</p> <p>Mixed moulds: box-elder, silver birch, hazel, oak, and London plane</p> <p>Silver Birch Aspergillus fumigatus Dermatophagoides pteronyssinus Cat epithelium Horse dander Dog dander Budgerigar feathers Rabbit epithelium Hamster epithelium Penicilloyl-G Penicilloyl-V Latex Honey Bee Common Wasp Egg white Wheat Rice Soya White fish - cod Shrimp Tomato</p>	<p>Phadia Immucap 100 analyser using sandwich immunoassay method SOPHA1029, HA1028, HA1027</p>	RGH
HUMAN BODY FLUIDS (cont'd)	<p><u>Immunology examination activities for the purpose of clinical diagnosis</u> (cont'd)</p>	<p>In house documented methods incorporating manufacturers' instructions where relevant</p>	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Serum (cont'd)	Specific IgE level to the following allergens: (cont'd) Peanut Hazelnut 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 Immucap 100 analyser using sandwich immunoassay method SOPHA1029, HA1028, HA1027	RGH
END			