


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> MEDICAL 8918</p> <p>Accredited to ISO 15189:2012</p>	<h3>Swansea Bay University Health Board</h3> <p>Issue No: 007 Issue date: 09 June 2021</p>	
	<p><b>ABM University Health Board</b> Headquarters 1 Talbot Gateway Port Talbot SA12 7BR</p>	<p><b>Contact: Dr Andar Gunneberg</b> Tel: +44 (0) 1792 703988 E-Mail: Andar.gunneberg@wales.nhs.uk Website: www.abm.wales.nhs.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

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

#### Laboratory locations:

Location details	Activity	Location code
<p>Pathology Department Morrison Hospital Heol Maes Eglwys Morrison Swansea SA6 6NL</p> <p style="text-align: right;"><b>Local contact</b> Dr Andar Gunneberg</p>	<p>Clinical Biochemistry Haematology Immunology Blood Transfusion Phlebotomy Management of two lab-based blood fridges</p>	M
<p>Pathology Department Princess of Wales Hospital Coity Road Bridgend CF31 1RQ</p> <p style="text-align: right;"><b>Local contact</b> Dr Andar Gunneberg</p>	<p>Clinical Biochemistry Haematology Toxicology Blood Transfusion Phlebotomy Management of two lab-based blood fridges</p>	B
<p>Pathology department Singleton Hospital Sketty Lane Swansea SA2 8QA</p> <p style="text-align: right;"><b>Local contact</b> Dr Andar Gunneberg</p>	<p>Clinical Biochemistry Haematology Blood Transfusion Phlebotomy Management of two lab-based blood fridges</p>	S
<p>Hot lab Pathology Department Morrison Hospital Heol Maes Eglwys Morrison Swansea SA6 6NL</p> <p style="text-align: right;"><b>Local contact</b> Dr Andar Gunneberg</p>	<p>Full blood count Routine coagulation tests</p>	MHL



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**Site activities performed away from the locations listed above:**

Location details	Activity	Location code
Sancta Maria Hospital Ffynone Road Uplands Swansea SA1 6DF  <b>Local contact</b> Laboratory: Barbara Sullivan, Morrison Hospital	Blood storage, single fridge	SM
Pathology Department Neath Port Talbot Hospital Baglan way Port Talbot SA12 7BX  <b>Local contact</b> Dr Andar Gunneberg	Specimen reception Phlebotomy Management of single lab-based blood fridge	NPT



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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	<u>Biochemistry examinations for the purpose of clinical diagnosis</u>	Roche Cobas ISE, c702, e602, e801, c501 Using manufacturer's instructions and documented in-house procedure LMS4027	
Venous Whole Blood: Serum, plasma	Quantification of:  Alpha fetoprotein Ammonia Angiotensin Converting Enzyme Albumin Alkaline Phosphatase Alanine Transaminase Amylase Aspartate Transaminase Vitamin B12 Beta-2-Microglobulin Human Chorionic Gonadotropin Bile Acids NT-pro BNP Tumour Marker CA-125 Tumour Marker CA-153 Tumour Marker CA-199 Complement Screen C3 Complement Screen C4 Calcium Carcinoembryonic Antigen Cholesterol Creatine Kinase Chloride Bicarbonate Cortisol Creatinine C-Reactive Protein Direct Bilirubin Digoxin	  Sandwich Enzymatic Enzymatic rate A  Colourimetric 2 point end Colourimetric rate A Enzymatic rate A Enzymatic rate A Enzymatic rate A Competitive Immunoturbidimetric 2 point end Sandwich  Enzymatic rate A Sandwich Sandwich Sandwich Sandwich Immunoturbidimetric 2 point end Immunoturbidimetric 2 point end UV 2 point end Sandwich Enzymatic rate A UV rate A ISE Enzymatic 2 point end Competitive Kinetic rate A Immunoturbidimetric 2 point end Colourimetric 2 point end Competitive	  M S M  M, B, S M, B, S M, B, S M, B, S M M M, B, S  M M M M M M M, B, S M M M, B, S M, B, S M, B, S M, B M, B, S M, B, S M, B, S M, B, S M, B, S M, B



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis (cont'd)</u>	Roche Cobas ISE, c702, e602, e801, c501 Using manufacturer's instructions and documented in-house procedure LMS4027	
Venous Whole Blood: Serum, Plasma (cont'd)	Quantification of:		
	Oestradiol	Competitive	M
	Alcohol	Enzymatic 2 point end	M, B, S
	Iron	Colourimetric 2 point end	M, B
	Ferritin	Sandwich	M
	Folate	Competitive	M
	Follicle Stimulating Hormone	Sandwich	M
	Free T3	Competitive	M
	Free T4	Competitive	M
	Gamma-glutamyl transferase	Enzymatic rate A	M
	Gentamicin	Kinetic 2 point end	M, S, B
	Glucose	Enzymatic 2 point end	M, B, S
	High Density Lipids	Enzymatic 2 point end	M
	Immunoglobulin A	Immunoturbidmetric 2 point end	M
	Immunoglobulin E	Sandwich	M
	Immunoglobulin G	Immunoturbidmetric 2 point end	M
	Immunoglobulin M	Immunoturbidmetric 2 point end	M
	Potassium	ISE	M, B, S
	Lactate	Colourimetric 2 point end (Lactate>Pyruvate)	M, B, S
	Lactate Dehydrogenase	UV rate A	M
	Luteinising Hormone	Sandwich	M
	Lipase	Enzymatic rate A	M
	Lithium	Colourimetric 1 point	M, B
	Magnesium	Colourimetric 2 point end	M, B, S
	NSE	Electrochemiluminescence – sandwich assay	M
	Sodium	ISE	M, B, S
	Paracetamol	Enzymatic 2 point end	M, B, S
	Phosphate	UV 2 point end	M, B, S
Serum/plasma	Procalcitonin	Sandwich	M, B
	Prolactin	Sandwich	M
	Progesterone	Competitive	M
	Prostate Specific Antigen	Sandwich	M
	Parathyroid hormone	Sandwich	M
	Rheumatoid Factor	Immunoturbidmetric 2 point end	M
	Salicylate	Enzymatic 2 point end	M, B, S
	Sex Hormone Binding Globulin	Sandwich	M



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis</u> (cont'd)	Roche Cobas ISE, c702, e602, e801, c501 Using manufacturer's instructions and documented in-house procedure LMS4027	
Venous Whole Blood: Serum, Plasma (cont'd)	Quantification of: Total Bilirubin Testosterone Theophylline Troponin T Total Protein Anti Thyroid Peroxidase Transferrin Triglyceride Thyroid Stimulating Hormone Urea Uric Acid Methotrexate Vitamin D Vancomycin	Colourimetric 2 point end Competitive Kinetic 2 point end Sandwich Colourimetric 2 point end Competitive Immunoturbidmetric 2 point end Enzymatic 1 point Sandwich Kinetic rate A Enzymatic 2 point end Enzymatic RCM Competitive Fluorescence polarisation	M, B, S M M, B M, B, S M, B, S M M M M M, B, S M, B, S S M M, B, S
Urine	Quantification of the following:  Calcium Chloride Creatinine Potassium Magnesium Microalbumin Sodium Phosphate Protein Urea Uric Acid	Roche Cobas ISE, c702, e602, e801, c501 Using manufacturer's instructions and documented in-house procedure LMS4027  UV 2 point end ISE Kinetic rate A ISE Colourimetric 2 point end Immunoturbidmetric ISE UV 2 point end Turbidmetric 2 point end Kinetic rate A Enzymatic rate A	M M M, B, S M, B, S M M M, B, S M M, S M M
CSF	Protein	Turbidmetric 2 point end	M, B
CSF	Lactate	Colourimetric 2 point end (Lactate>Pyruvate)	M, B
CSF	Glucose	Enzymatic 2 point end	M, B



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	
Serum and plasma	Ammonia Alpha-1-Antitrypsin	Roche Integra modules using fluorescence polarization and enzymatic measurement principles.  SOP LMS940  Enzymatic Immunturbidimetric 2 point end	B, M M
Serum and plasma	Anti Epileptic Drugs: Carbamazapine Phenytoin, Phenobarbitone Valporate	Fluorescence polarization	B, M B, M B, M M
Serum and plasma	Therapeutic Drugs monitoring, antibiotics: Amikacin	Fluorescence polarization	M
Urine	Protein Creatinine	Turbidimetric Kinetic rate A	B B
Plasma/serum	AKI Alert	By calculation	
Urine	Albumin:creatinine ratio	By calculation	
Plasma/serum	Calcium (adjusted)	By calculation	
24hr urine	Calcium output	By calculation	
Urine	Calcium:creatinine ratio	By calculation	
Plasma/Serum/Urine	Calcium creatinine clearance	By calculation	
Serum	Cholesterol:HDL ratio	By calculation	
24hr urine, serum/plasma	Creatinine clearance	By calculation	
24hr Urine	Creatinine Output	By calculation	
Serum/Plasma	Estimated GFR	By calculation	
Serum	Free Androgen Index	By calculation	
Serum/plasma	Globulin	By calculation	
Serum/plasma	Liver Plan AST/ALT Ratio	By calculation	
Serum	LDL Cholesterol	By calculation	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
24hr urine	Magnesium output	By calculation	
Urine	Magnesium:creatinine ratio	By calculation	
Serum	Non HDL Cholesterol	By calculation	
24hr urine	Phosphate output	By calculation	
Urine	Phosphate:creatinine ratio	By calculation	
Urine	Porphyrin:creatinine ratio	By calculation	
24hr urine	Potassium output	By calculation	
24hr urine	Protein output	By calculation	
Urine	Protein:creatinine ratio	By calculation	
Serum/plasma	Serum ascites albumin gradient	By calculation	
24hr urine	Sodium output	By calculation	
Serum	Transferrin saturation	By calculation	
Urine	Urate output	By calculation	
Urine	Urate:creatinine ratio	By calculation	
24hr urine	Urea Output	By calculation	
Serum	Kappa/lambda ratio	By calculation	
		Pharmacia Biotech Multiphor II electrophoresis system using an isoelectric focusing technique	
Serum, CSF	Identification of oligoclonal bands	SOP LMS916	M
Serum	Alpha-1-Antitrypsin phenotyping	SOP LMS915	M



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
CSF	Xanthochromia	Uvikon XS spectrophotometer using a spectrophotometer technique  SOP LMS802	M, B
Sweat	Sweat chloride	Sherwood M926S chloride meter using titrimetric analysis  SOP LMS4053 <i>Note: sample collection is performed at both sites. Sample analysis only performed at site M</i>	M, B
EDTA whole blood	HbA1c	Sebia Capillarys 3 using an capillary electrophoresis technique  SOP LMS2015	M
EDTA whole blood	Haemoglobin A1c Boronate Affinity	Alere Afinion 2 Analyser using a boronate affinity technique  SOP LMS1006  Sebia Hydrasys 2 using electrophoresis and immunofixation techniques	M
Serum	Identification of paraprotein bands	SOP LMS1959	M
Urine	Bence Jones protein	SOP LMS 1957	M





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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
Whole blood	Methaemoglobin	Gem 4000 Using a spectrometric technique SOP LMS4113	M, B
	Carboxyhaemoglobin		M, B
	pH		M, B
	pCO2		M, B
	pO2		M, B
	Total haemoglobin		M, B
	Oxyhaemoglobin		M, B
	sO2		M, B
	TCO2		M, B
	BEecf		M, B
	BE (B)		M, B
	HCO3 (c)		M, B
	HCO3 std		M, B
	Hct		M, B
	Sodium		B
	Potassium		B
	Chloride		B
	Glucose		B
	Ionised calcium		B
	Lactate		B
Serum, plasma, urine	Osmolality	Advanced instruments osmometer Osmo1 using a freezing point depression technique SOP LMS4114	M, S, B



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examinations for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
Urine	Total porphyrin screen	Using North Star UV Spectrophotometer  SOP LMS4118	B
Urine	Qualitative Porphobilinogen	Manual method performed using Ehrlich's reagent	B
	pH	Hanna pH checker  SOP LMS4051	B
	pH	Hanna pH 2100  SOP LMS8423	M



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HUMAN BODY FLUIDS (cont'd)	<u>Toxicology examinations for the purpose of clinical diagnosis</u>	Using manufacturer's instructions and documented in-house procedures	
Urine	Drug screening:  Amphetamine Barbiturate Benzodiazepine Cannabis Cocaine Methadone/Methadone metabolite Opiates	Performed on Roche Integra Using KIMS and colorimetric techniques  SOP LMS4109	B B B B B B B
Urine	Drug screen confirmation:  Amphetamine group substances Amphetamine L/D Ratio Barbiturates Cocaine Methadone/Methadone metabolite Opiates (including MAM) Psychoactive drug screen: Mephedrone, Ketamine, Phencyclidine Tramadol	Thermo ISQLT analyser using a GC-MS technique  SOP LMS4110	B
Urine	Buprenorphine	Cobas 501 using an enzyme immunoassay technique  SOP LMS4111	B
Urine	Gamma Hydroxybutyrate (GHB)	Performed using a GC-MS technique  SOP LMS4112	B



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination for the purpose of clinical diagnosis</u>	Using manufacturer's instructions and documented in-house procedures	
Serum	Autoimmunity detection of:  Anti Nuclear Antibodies (ANA) Liver Autoantibodies (LIVA) including GPC antibodies Anti Neutrophil Cytoplasmic Antibodies (ANCA) Anti-ds DNA Crithidia luciliae	Helios analyser using the Indirect Immunofluorescence method  SOP LMS3408	M
Serum	Quantification of specific IgE to:  House dust mite Cat Horse Dog Caged bird feathers Egg white Cow's milk Cod Wheat Sesame seed Pea Peanut	Immunocap 100 using a Fluorezyme Immunoassay  SOP LMS4052	M



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	M
Serum (cont'd)	Quantification of specific IgE to: (cont'd)  Soya Hazel nut Brazil nut Almond Crab Shrimp Tomato Orange Coconut Blue mussel Tuna Salmon Strawberry Apple Egg yolk Kiwi fruit Celery Banana Pecan Cashew nut Pistachio nut Lentil Walnut Chickpea Rape seed Macadamia nut Mixed grass pollen Latex Sunflower seed Aspergillus Mixed moulds Mixed tree pollen Birch Pollen Cacao Casein Cod Corn/Maize	Immucap 100 using a Fluorezyme Immunoassay  SOP LMS4052	



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	
Serum (cont'd)	Quantification of specific IgE to: (cont'd)  Gluten Guinea Pig Hamster Mugwort Ovalbumin Pineapple Pinenut Rabbit Epithelium Ragweed Sesame Seed Sweet Pepper (paprika) Wheat White Bean	Immucap 100 using a Fluorezyme Immunoassay  SOP LMS4052	M
Serum	Detection of free light chains	Binding site Optilite using turbidimetry SOP LMS4054	M
Serum	Detection of:  Intrinsic factor antibody Anti-transglutaminase antibodies (TTG)-IgA	Using ELISA on DS2  SOP LMS10317	M



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HUMAN BODY FLUIDS (cont'd)	<u>Immunological examination for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
Serum	Detection of:  Anti-ds DNA Anti cardiolipin antibodies Cyclic Citrullinated Peptide (CCP) antibody Anti-ENA screen Anti-ENA identification: Ro52 Ro60 SSB SCL70 RNP SM Jo1 Anti-beta-2-glycoproteins MPO PR3 Glomerular basement membrane Anti-transglutaminase antibodies (TTG)-IgG	Using chemiluminescence on Werfen Bioflash  SOP LMS10264	
Serum	Myositis screen Scleroderma 70 screen Liver autoantibodies extended profile	Using Werfen Immunoblot analyser and immunoblot technique  SOP LMS104256	M



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HUMAN BODY FLUIDS (cont'd)	<u>Flow cytometry examination for the purpose of clinical diagnosis</u>	Using manufacturer's instructions and documented in-house procedures for Becton Dickenson Facscalibur using Flow Cytometry.	
Peripheral Blood, Bone Marrow, CSF and other Body Fluids	Diagnosis and monitoring of haematological malignancies to include Acute Leukaemia, Lymphoproliferative disorders (T&B)	SOP LMS3381	S
Venous Whole Blood: EDTA	CD34 +ve Stem Cell Enumeration	SOP LMS4049	S
Venous Whole Blood: EDTA	CD4 monitoring/Immune monitoring	Samples prepared using SPA III SOP LMS3380	S
Bone Marrow	Diagnosis and monitoring of Paroxysmal Nocturnal Haemoglobinuria (red and white cells)	SOP LMS3379	S





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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination for the purpose of clinical diagnosis</u>	Using manufacturer's instructions and documented in-house procedures	
Venous whole blood EDTA	Full Blood Count:	Sysmex XN10 and XN20 using hydrodynamic focussing DC detection, SLS haemoglobinometry and fluorescence flow cytometry	
		1 x XN10 and 1x XN20 (paired)	S, B
		3 x XN10 and 1x XN20 (collectively XN9000)	M
		1 x XN10 and 1 x XN20	MHL
		SOP LMS4061	
	Haemoglobin White Blood Cell Count Red Blood Cell 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 Blood Cell Count		
Venous whole blood: citrated	Erythrocyte Sedimentation Rate (ESR)	Using Menarini Vesmatic  Red cell sedimentation measurement  SOP LMS4059	M, B, S



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
Blood films	Reporting of normal and abnormal morphologies, including White Blood Cell Differential	Automated Sysmex SP10 film spreader and stainer May-Grunwald Giemsa stainer SOP LMS4065	M, S, B
Blood Bone marrow, CSF and other body fluids	Diagnosis and monitoring of haematological malignancy and bone marrow failure.	Automated method using Sysmex SP10 and manual staining method for May-Grunwald Giemsa  Microscopic examination of stained slides  SOP LMS4065	S
Venous Whole Blood: EDTA, Plasma or Serum	Screen for IM heterophile antibodies	Using Clearview IM immunoassay kit  SOP LMS1160	M, B, S



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	
Venous whole blood: EDTA	Screening for the detection of <i>Plasmodium falciparum</i> and <i>Plasmodium</i> spp. (Including: <ul style="list-style-type: none"> <li>• <i>Plasmodium ovale</i></li> <li>• <i>Plasmodium falciparum</i>,</li> <li>• <i>Plasmodium malariae</i></li> <li>• <i>Plasmodium vivax</i>)</li> </ul>	CareStart Rapydtest Malaria antigen kit  SOP LMS4046	M, B, S
	Detection and Identification of <i>Plasmodium</i> species: <ul style="list-style-type: none"> <li>• <i>P.falciparum</i></li> <li>• <i>P.vivax</i></li> <li>• <i>P.ovale</i></li> <li>• <i>P.malariae</i></li> <li>• <i>P. knowlesi</i></li> </ul>	Using manual microscopy, Giemsa stained thin films, and Field's stained thick films  SOP LMS4047	M, B, S
Venous whole blood: EDTA	Screening to detect the presence of Haemoglobin-S	Clin-Tech Sickle Cell Kit  SOP LMS4084	M, B, S
Venous whole blood: EDTA	G6PD screening test	Trinity Biotech G6PD Screening Kit using a modified Beutler method  SOP LMS4063	M
Venous Whole Blood: EDTA, Marrow, Urine	Detection of iron deposits	Manual Perls stain and examination by microscopy  SOP LMS1149	S



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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>Haematological examination for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	
Venous Blood: Citrated Plasma	Routine coagulation tests:	Sysmex CS5100  Sysmex CS2100i  Using photo-optical clotting detection, immunoturbidimetric, and chromogenic methods  SOP LMS4214 (CS2100i) SOP LMS4125 (CS5100)	M, MHL  B, S
Venous Blood: Citrated Plasma	Prothrombin Time / INR Activated partial Thromboplastin Time (APTT) Clauss Fibrinogen assay PT & APTT Correction Tests Thrombin Clotting Time (TCT) INR with Thromborel S D-Dimer		
Venous Blood: Citrated Plasma	Clotting tests:  Prothrombin Time APTT	Semi-automated clot detection method using Hart analyser  SOP LMS101944	M, B, S



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	
Venous Blood: Citrated Plasma	Special Coagulation Assays:  Factor Assays: FII, V, VII, X FVIII, IX, XI, XII Inhibitor assays (Bethesda) FXIII von Willebrand Factor Antigen Anti Factor Xa assays: Danaparoid Low Molecular Weight Heparin Unfractionated Heparin, Rivaroxaban, Apixaban Dabigatran assay	Performed on Sysmex CS5100 Using photo optical, immunoturbidimetric, and chromogenic methods  SOP LMS20 SOP LMS19 SOP LMS4127 SOP LMS474 SOP LMS4128 SOP LMS16  SOP LMS28	M
Venous Blood: Citrated Plasma	Protein C Activity  Antithrombin activity  Free Protein S Antigen  Lupus Anticoagulant Screen	Performed on Sysmex CS5100 Using photo optical, immunoturbidimetric, and chromogenic methods  Using chromogenic method SOP LMS4129  Using chromogenic method SOP LMS4129  Using immunoturbidimetric method SOP LMS4129  Using clotting method SOP LMS482	M



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examination for the purpose of clinical diagnosis (cont'd)</u>	Using manufacturer's instructions and documented in-house procedures	
Venous whole blood: EDTA	Haemoglobinopathy screening for:  Haemoglobin A Haemoglobin A2 Haemoglobin F	Using Sebia Capillarys 3 Flex capillary electrophoresis  SOP LMS10099	M
Venous Whole Blood: EDTA	Confirmation and identification of abnormal haemoglobins	Using Sebia hydrasys 2 gel electrophoresis SOP LMS103803	M



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	Using manufacturer's instructions and documented in-house procedures	
Venous Whole Blood: EDTA	Blood Grouping: A, B and O groups Rhesus group antigens C, c, D, E and e Kell antigen status Rhesus negative screen	Automated method using Ortho Vision. Using micro columns and direct anti-globulin technique  SOP LMS104153	M, B, S
	Blood Grouping: A, B and O groups Rhesus group antigens C, c, D, E and e Kell antigen status Rhesus negative screen	Manual process using indirect anti-globulin using Biovue cassettes and/or manual tube method  SOP LMS235 and SOP LMS780	
Venous Whole Blood: EDTA	Detection and identification of the following antibodies using IgG and Enzyme panels: Rhesus blood group antibodies - D, C, E, c, e, f Cw  Kell blood group antibody - K  Duffy blood group antibodies - Fy(a), Fy(b)  Kidd blood group antibodies - Jk(a), Jk(b)  Lewis blood group antibodies - Le(a), Le(b)  MNS blood group antibodies - S, s, M, N, P and P1  Lutheran blood group antibodies - Lu(a), Lu(b)	Automated detection performed on Ortho Vision using micro columns and direct anti-globulin technique  SOP LMS958  Manual method using Biovue cassettes  SOP LMS780	M, B, S



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	Using manufacturer's instructions and documented in-house procedures	
Venous Whole Blood: EDTA	Compatibility testing of patient's plasma with donor cells	Automated method using Ortho Vision using micro columns and indirect anti-globulin technique  Manual method using Biovue cassettes  SOP LMS999	M, B, S
Venous Whole Blood: EDTA	Direct Antiglobulin Test (DAT): Monoclonal	Automated method using Ortho Vision using micro columns and direct anti-globulin technique  Manual method using Biovue cassettes  SOP LMS4106	M, B, S
Venous Whole Blood: EDTA	Kleihauer for foetal/maternal bleed estimation	Acid Elution method using Inverclyde Biologicals kit  SOP LMS419	S
Serum, plasma	<u>Virology examination activities for the purpose of clinical diagnosis</u> (cont'd)  Detection of SARS-CoV-2 Total Antibody (Covid-19 Total Antibody)	Using manufacturer's instructions and documented in-house procedures  Roche Cobas e801 Sandwich technique  SOP LMS4027	M
END			