


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS MEDICAL 8097</p> <p>Accredited to ISO 15189:2012</p>	<h3>The Royal Marsden NHS Foundation Trust</h3> <p>Issue No: 003 Issue date: 05 July 2021</p>	
	<p>Blood Sciences Laboratory The Royal Marsden NHS Foundation Trust Fulham Road Chelsea SW3 6JJ</p>	<p>Contact: Ms Sue Alexander Tel: +44 (0) 208 661 3354 ext. 1328 E-Mail: Sue.Alexander@rmh.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>Blood Sciences Laboratory The Royal Marsden NHS Foundation Trust Fulham Road Chelsea SW3 6JJ</p>	<p>Local contact Ms Sue Alexander Tel: +44 (0) 208 661 3354 ext. 1328 E-Mail: Sue.Alexander@rmh.nhs.uk</p> <p>Biochemistry Haematology Blood Transfusion Automated Chemistry Manual Chemistry</p> <p>Blood component issue: Red Cells Platelets Fresh Frozen Plasma Cryoprecipitate Buffy coats/Granulocytes 4.5% Human Albumin Anti-D Immunoglobulin Octaplex Octaplas Riastap (recombinant Fibrinogen)</p>	A
<p>Blood Sciences Laboratory The Royal Marsden NHS Foundation Trust Downs Road Sutton SM5 4QE</p>	<p>Local contact Ms Sue Alexander Tel: +44 (0) 208 661 3354 ext. 1328 E-Mail: Sue.Alexander@rmh.nhs.uk</p> <p>Biochemistry Haematology Blood Transfusion Automated Chemistry Endocrinology Tumour markers Manual Chemistry Endocrine/Haematinics/Cardiac/Thyroid/ Drugs</p> <p>Blood component issue (as above)</p> <p>Blood storage & issue</p>	B



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Site activities performed away from the locations listed above:

Location details	Activity	Location code
Theatre Fridge The Royal Marsden NHS Foundation Trust Fulham Road Chelsea SW3 6JJ	Blood storage & issue Fridge managed by Haematology	A



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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 Serum unless otherwise stated	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> Quantification of: Alanine Transaminase (ALT) Aspartate Transaminase (AST) Amylase Albumin Alkaline Phosphatase (AP) Bicarbonate Total Bilirubin	Manufacturers instructions for Ortho Clinical Diagnostics VITROS 5600 instrument with MicroSlide Technology and in-house method: SOP BSCHM300	A and B A and B A and B A and B A and B A and B
Serum/CSF*	Total Protein Calcium Chloride Creatinine Kinase (CK)		A and B* A and B A and B A and B
Serum/urine*	Creatinine		A and B*
Urine	Creatinine clearance Gamma Glutamyl Transferase (γ GT)		B A and B
Serum/CSF*	Glucose Cholesterol		A and B* B



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HUMAN BODY FLUIDS (cont'd) Serum unless otherwise stated	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> Quantification of:	Manufacturers instructions for Ortho Clinical Diagnostics VITROS 5600 instrument with MicroSlide Technology and in-house method: SOP BSCHEM300	
	LDL Cholesterol		B
	HDL Cholesterol		B
	Iron		A and B
	Lactate Dehydrogenase (LDH)		A and B
	Lipase		A and B
	Magnesium		A and B
Serum/Urine*	Phosphate		A and B*
Serum/Urine*	Potassium		A and B*
Serum/Urine*	Sodium		A and B*
	Triglycerides		B
	Uric Acid (Urate)		A and B
	Urea		A and B
Urine	Total protein (M-TP)		B
	Adjusted calcium		A and B
	AKI		A and B
	HDL/LDL ratio	A and B	
	Transferrin saturation	A and B	
	Unconjugated Bilirubin	A and B	
	Free PSA / Total PSA ratio	A and B	



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Serum unless otherwise stated</p>	<p><u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u></p> <p>Quantification of: (cont'd)</p> <p>Total PSA</p> <p>Troponin 1</p> <p>Thyroid Stimulating Hormone (TSH)</p> <p>25 OH Vitamin D</p> <p>Vitamin B12</p> <p>C-peptide</p> <p>Intact PTH</p> <p>Insulin</p> <p>Vancomycin</p> <p>Gentamicin</p> <p>Haptoglobin</p> <p>Immunoglobulin A</p> <p>Immunoglobulin G</p> <p>Immunoglobulin M</p> <p>Transferrin</p>	<p>Manufacturers instructions for Ortho Clinical Diagnostics VITROS 5600 instrument with MicroWell Technology and in-house method: SOP BSCHEM300</p>	<p>A and B</p> <p>A and B</p> <p>A and B</p> <p>A and B</p> <p>A and B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p>



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HUMAN BODY FLUIDS (cont'd) Serum unless otherwise stated	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Manufacturers instructions for Ortho Clinical Diagnostics VITROS 5600 instrument with MicroWell Technology and in-house method: SOP BSCEM300 and third party reagents	A and B
	Quantification of: (cont'd)		
	C-reactive protein (CRP)		
	Amikacin		
	B2 Microglobulin		
	Ciclosporine		
	Direct Bilirubin		
Whole Blood	Haemoglobin A1c	Manufacturers instructions for Biorad D-10 HPLC Ion Exchange and in-house method SOP BSCEM91	B
Serum	Paraprotein identification and quantitation	Manufacturers instructions for Sebia Capillarys 2 Capillary Electrophoresis using and in-house method SOP BSCEM100	B
	Isotype confirmation	Immunosubstraction	A and B
Urine	Paraprotein identification	Manufacturers instructions for Sebia Hydrasys Gel Electrophoresis and in-house method SOP BSCEM120	B
Serum/Urine	Isotype confirmation	Gel Electrophoresis/ Immunofixation	B



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HUMAN BODY FLUIDS (cont'd) Serum unless otherwise stated	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Manufacturers instruction for Binding site SPA+ Turbidmetric detection and in house method SOP BSCHEM130	B
	Quantification of: (cont'd) Light Free Chains (Kappa and Lambda) Kappa and Lambda ratio		
Urine	Urinalysis (Dipstick)	Manufacturers instructions for Binding site SPA+ and in-house method SOP BSCHEM130 Calculation	A and B
	Glucose	Manufacturers instructions for Siemens-Clintek Siemens Photometric detection and in-house method SOP BSCHEM140	
	Bilirubin		
	Ketone		
	Specific Gravity		
	Blood		
	pH		
	Protein		
	Urobilinogen		
	Nitrite		
Leucocytes			



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HUMAN BODY FLUIDS (cont'd) Serum unless otherwise stated Serum/Urine	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u> Quantification of: (cont'd) Osmolality	Manufacturers instructions for Advanced Instruments Osmometer OSO1 Freezing point depression and in-house method SOP BSCEM400 Manufacturers instructions for Launch Diagnostics Accusay hCG Immunoassay and in-house method:	A and B
Urine	Qualitative detection of bHCG (pregnancy)	SOP BSCEM165	A and B
Venous blood	<u>Blood Transfusion examinations to assist in clinical investigations</u> Blood Group by detection and identification of antigens: A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh Negative AB Rh D Negative B RhD Negative O Rh D Negative Transitional (during BMT) groups	Manufacturer's instructions for BioRad IH500 using gel card technology and in-house method SOP BB089	A and B



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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>Blood Transfusion examinations to assist in clinical investigations</u>	Manual methods using gel card technology and in-house method SOP BB044.	
Venous blood	Blood Group by detection and identification of antigens: A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh D Negative AB Rh D Negative B Rh D Negative O Rh D Negative Transitional (during BMT) groups		A and B
	detection of Rh+K red cell Phenotyping by detection and identification of antigens: C c E e K	Manufacturer's instructions for BioRad IH500 using gel card technology and in house method: SOP BB089	A and B
Plasma	Antibody Screen by detection and identification of antibodies to: Rh MNS P Lutheran Kell Lewis Duffy Kidd	Manufacturer's instructions for BioRad IH500 using gel card technology and in house method: SOP BB089	A and B



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examinations to assist in clinical investigations</u>		
Plasma	Compatibility testing of patients plasma with donor cells	Manual methods Immediate Spin, IAT, Strict 37°C, Tube, Emergency and in-house methods SOPs BB013, BB014, BB016, BB057, BB058	A and B
	Compatibility testing of patients plasma with donor cells	Manufacturer instructions for BioRad IH500 using gel card technology and in-house method SOP BB089	A and B
Venous blood	Direct Anti-globulin Test (DAT): Polyspecific AHG IgG C3d	Manufacturer's instructions for BioRad IH500 using gel card technology and manual methods, using gel card technology following manufacturer's instructions and SOP BB019	A and B
	Elution of antibodies on red cells	Manual methods using Lorne kit Using SOP BB055	A and B



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HUMAN BODY FLUIDS (cont'd) Whole blood (EDTA) unless otherwise specified	<u>Haematology examinations to assist in clinical investigations (cont'd)</u> Full Blood Count (FBC) analysis of the following parameters: WBC WBC differential RBC HGB HCT MCV MCH MCHC RDW-CV PLT NEUT LYMPH MONO EOS BASO Reticulocyte count Immature Reticulocyte Fraction NRBC	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods: Sysmex XE automated analysers, using spectrophotometry, impedance particle counting and laser light scatter using SOP H065	A and B
Blood film on glass slide	Haemoglobin S Screening	Manual Solubility test using Streck Sickle Test kit, SOP H029	A and B
	Identification of normal and abnormal morphologies including WBC differential count	Blood film at Chelsea using Siemens Hematek using Modified Wright's stain using SOP H012 Sutton using Sysmex SP100i using May-Grunwald/Giemsa using SOP H067	A and B
	Glucose-6-phosphate dehydrogenase (G6PD) screening test	Rapid Immunoassay manual test using Binax NOW G6PD kit. SOP H088	B



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HUMAN BODY FLUIDS (cont'd)	<u>Haemostasis and thrombosis examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:	
Blood (Plasma)		Sysmex CA5100 (Chelsea site A) Sysmex CS2100 (Sutton site B) automated analysers, clot end-point detection by spectrophotometry/light scatter and in-house procedures:	
Blood (Plasma)	Routine Coagulation testing for: Prothrombin Time (PT) Thromboplastin Time (APTT) Fibrinogen Thrombin Time (TT) Reptilase Time Corrected APTT		A and B A and B A and B B B A and B
	Anti-Xa	Sysmex CS2100 using Biophen Heparin (LRT) kit and SOP H092	B
	D-Dimer	Sysmex CS2100 using Innovance D-Dimer kit, SOP H080	B
END			