


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>Accredited to ISO 15189:2012</b>	<b>Frimley Health NHS Foundation Trust</b>	
	<b>Issue No: 008    Issue date: 15 July 2024</b>	
	<b>Blood Sciences</b> <b>Royal Berkshire NHS Foundation</b> <b>Trust Hospital</b> <b>London Road</b> <b>Reading</b> <b>RG1 5AN</b>	<b>Contact: Elaine Inglis</b> <b>Tel: 01276 522194 / 01276 522541 / 01276 522175</b> <b>E-Mail: <a href="mailto:fph-tr.bspsquality@nhs.net">fph-tr.bspsquality@nhs.net</a></b> <b>Website: <a href="http://www.nhs.uk/pathology/fph.nhs.uk">http://www.nhs.uk/pathology/fph.nhs.uk</a></b>
<b>Testing performed at the above address only</b>		

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

Location details		Activity
Royal Berkshire Hospital	Ibtisam Osman <a href="mailto:ibtisam.osman@royalberkshire.nhs.uk">ibtisam.osman@royalberkshire.nhs.uk</a>	Management of blood fridges: North Wing South Wing Maternity Theatres
Circle Reading Hospital Reading RG2 0NE	Ibtisam Osman <a href="mailto:ibtisam.osman@royalberkshire.nhs.uk">ibtisam.osman@royalberkshire.nhs.uk</a>	Management of blood fridge
Spire Dunedin Hospital Reading RG1 6NS	Ibtisam Osman <a href="mailto:ibtisam.osman@royalberkshire.nhs.uk">ibtisam.osman@royalberkshire.nhs.uk</a>	Management of blood fridge
Berkshire Independent Hospital Reading RG1 6UZ	Ibtisam Osman <a href="mailto:ibtisam.osman@royalberkshire.nhs.uk">ibtisam.osman@royalberkshire.nhs.uk</a>	Management of blood fridge



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions
Sweat	Chloride concentration	Elitech Wescor Chlorochek Chloridometer  BIO-RBH-SOP-002 Sweat Test Chloride
Cerebrospinal Fluid	Xanthochromia	Uvikon XL spectrophotometer  BCLP_Xanth  Documented in-house procedures and manufacturer's instructions using Abbott Alinity Ci  SOP BIO-BSPS-SOP-040
Serum	Albumin	Colorimetric
Plasma	Ethanol	Enzymatic
Serum	ALP	Colorimetric
Serum	ALT	2-Point Rate
Plasma	Ammonia	Enzymatic
Serum	Amylase	Enzymatic Colorimetric
Serum	AST	2-Point Rate
Serum	Bicarbonate	2-Point Rate
Serum	Bilirubin (Total)	Colorimetric
Serum	Calcium	Colorimetric
Urine	Calcium	Colorimetric
Serum	Chloride	Indirect ISE
Serum	Cholesterol	Enzymatic Colorimetric



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions using Abbott Alinity Ci  SOP BIO-BSPS-SOP-040
Serum	Conjugated Bilirubin	Colorimetric
Serum	CRP	Immunoturbidimetric
Serum	Creatinine	Enzymatic Colorimetric
Urine	Creatinine	Enzymatic Colorimetric
Serum	Creatinine Kinase	Rate
CSF	Glucose	Enzymatic
CSF	Protein	Turbidimetric
Plasma	Glucose	Enzymatic
Serum	GGT	Enzymatic Colorimetric
Serum	HDL Cholesterol	Enzymatic Colorimetric
Serum	Iron	Colorimetric
Plasma	Lactate	Colorimetric
Serum	LDH	Rate
Serum	Lithium	Colorimetric
Serum	Albumin	Colorimetric
Serum	Magnesium	Colorimetric Endpoint
Urine	Microalbumin	Immunoturbidimetric
Serum	Paracetamol	Colorimetric
Serum	Phenytoin	Immunoturbidimetric
Serum	Phosphate	Colorimetric
Serum	Potassium	Indirect ISE



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions using Abbott Alinity Ci  SOP BIO-BSPS-SOP-040
Urine	Potassium	Indirect ISE
Serum	Salicylate	2-Point End
Serum	Sodium	Indirect ISE
Urine	Sodium	Indirect ISE
Serum	Theophylline	CEDIA
Serum	Total Protein	Colorimetric
Urine	Total Protein	Immunoturbidimetric
Serum	Triglycerides	Colorimetric
Serum	Urate	Colorimetric
Serum	Urea	Enzymatic Colorimetric
Urine	Urea	Enzymatic Colorimetric
Serum	Transferrin	Immunoturbidimetric
Serum	Vancomycin	CEDIA
Serum	Gentamicin	CEDIA
Serum	Fructosamine	Colorimetric
Serum	B2 Microglobulin	Immunoturbidimetric
Serum	Bile Acids	Colorimetric
Urine	Phosphate	Colorimetric
Urine	Urate	Enzymatic
Urine	Magnesium	Colorimetric
Dialysis Fluid	Creatinine	Enzymatic Colorimetric



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures and manufacturer's instructions using Abbott Alinity Ci  SOP BIO-BSPS-SOP-040
Dialysis Fluid	Glucose	Enzymatic
Dialysis Fluid	Urea	Enzymatic Colorimetric
Faeces	Calprotectin	Immunoturbidimetric BIO-RBH-SOP-016
Serum	B12	Immunoassay
Serum	CA125	Immunoassay
Serum	CEA	Immunoassay
Serum	Cortisol	Immunoassay
Serum	Digoxin	Immunoassay
Serum	Ferritin	Immunoassay
Serum	Free T4	Immunoassay
Serum	Free T3	Immunoassay
Serum	Folate	Immunoassay
Serum	HCG	Immunoassay
Serum	hs Troponin T	Immunoassay
Serum	TSH	Immunoassay
Serum	AFP	Immunoassay
Serum	FSH	Immunoassay
Serum	LH	Immunoassay
Serum	Oestradiol	Immunoassay
Plasma	proNT BNP	Immunoassay



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis (cont'd)</u>	Documented in-house procedures and manufacturer's instructions using Abbott Alinity Ci  SOP BIO-BSPS-SOP-040
Plasma	PTH	Immunoassay
Serum	Progesterone	Immunoassay
Serum	Prolactin	Immunoassay
Serum	PSA	Immunoassay
Serum	Testosterone	Immunoassay
Plasma	Vit D	Immunoassay
	<u>By calculation from above:</u>	
Serum	Adjusted Calcium	
24h Urine	Calcium	
Urine	Calcium/Creat Ratio	
	Total Cholesterol/HDL Ratio	
	LDL Cholesterol	
	Non-HDL Cholesterol	
	eGFR	
	AKI	
	FAI	
	Globulins	
	Transferrin Saturation	
	Creatinine Clearance	
24h Urine	Creatinine	
24h Urine	Magnesium	



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HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented in-house procedures and manufacturer's instructions using Abbott Alinity Ci  SOP BIO-BSPS-SOP-040
Urine	Albumin/Crete Ratio	
24h Urine	Phosphate	
24h Urine	Potassium	
24h Urine	Sodium	
24h Urine	Total protein	
Urine	Total Protein/Creat Ratio	
24h Urine	Urate	
24h Urine	Nitrogen	
24h Urine	Urea	
Blood and Urine	Osmolality	Osmo1 Advanced Instruments Inc  Freezing point depression  BIO-RBH-SOP-038 Serum & Urine Osmolality



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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology examination activities for the purpose of clinical diagnosis</u>	Documented procedures & manufacturers instructions analysis
EDTA blood	Full Blood Count: WBC RBC HGB HCT MCV MCH MCHC RDW-CV PLT NEUT LYMPH MONO EOS BASO Nucleated red blood cell (NRBC) count Reticulocyte count	Documented procedures & manufacturer's instructions for Abbott Alinity HQ HAE-BSPS-SOP-400
EDTA blood	Retics	Documented procedures & manufacturer's instructions for Abbott Alinity HQ HAE-BSPS-SOP-400
EDTA Blood	Hematek Automated staining	Automated staining using Hematek staining machine with specific reference to: HAE-BSPS-SOP-022
EDTA blood	Erythrocyte Sedimentation Rate (Manual)	Manual Method with specific reference to HAE-RBH-SOP-005
EDTA blood	Detection of WBC abnormalities	Blood Film manual method using microscope with specific reference to: HAE-RBH-SOP- 020





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HUMAN BODY FLUIDS (cont'd)	<u>General Haematology examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented procedures & manufacturers instructions analysis
Plasma	Infectious Mononucleosis Screen	Documented procedures & manufacturers instructions for BiokitAgglutination Test with specific reference to: HAE-RBH-SOP-013
EDTA blood	Detection of Haemoglobin S	Manual Solubility CliniTech test with specific reference to: HAE-BSPS-SOP-004
Bone marrow aspirates	Detection of normal and abnormal morphologies	Manual Perl's and May-Grunwald Giemsa staining and microscopy with specific reference to: HAE-RBH-SOP-016
EDTA blood	Malaria RDT (P. falciparum, P. ovale, P. malariae, P. vivax)	Documented procedures & manufacturers instructions for Malaria RDT Using CareStart HAE-RBH-SOP-015
Plasma	Coagulation PT/INR, APTT, Fibrinogen and D-Dimer	Documented procedures & manufacturer's instructions for Analysis on ACL TOP 550 Series Analysers HAE-BSPS-SOP-300 HAE-BSPS-SOP-302 HAE-BSPS-SOP-303 HAE-BSPS-SOP-304 HAE-BSPS-SOP-305
	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u>	
EDTA blood	Kleihauer Profile	Manual method using Guest Medical kit, with specific reference to: BTR-BSPS-SOP-101
EDTA blood	Blood Group Anti-A, Anti-B, Anti-D (2 separate clones) A1 and B cells	Manual method using Lorne reagents, with specific reference to: BTR-RBH-SOP-027



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HUMAN BODY FLUIDS (cont'd)	<u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd)	Documented procedures & manufacturers instructions analysis
Plasma	Antibody Panel C,D,E,c,e,C <sup>w</sup> , K, k, Kp <sup>a</sup> , Kp <sup>b</sup> , Js <sup>a</sup> , Js <sup>b</sup> , Fy <sup>a</sup> , Fy <sup>b</sup> , Jk <sup>a</sup> , Jk <sup>b</sup> , Le <sup>a</sup> , Le <sup>b</sup> , P1, M, N, S, s, Lu <sup>a</sup> , Lu <sup>b</sup> , Xg <sup>a</sup>	Manual method BioRad /NHSBT with specific reference to: BTR-RBH-SOP-028
EDTA blood	Direct Coombs test (manual) Polyspecific, monospecific, Anti-IgG, anti-IgA, anti-IgM, anti-C3c, anti-C3d	Manual method with specific reference to: BTR-RBH-SOP-031
Plasma	Antibody Screen (manual) C,D,E,c,e,C <sup>w</sup> , K, k, Kp <sup>a</sup> , Kp <sup>b</sup> , Js <sup>a</sup> , Js <sup>b</sup> , Fy <sup>a</sup> , Fy <sup>b</sup> , Jk <sup>a</sup> , Jk <sup>b</sup> , Le <sup>a</sup> , Le <sup>b</sup> , P1, M, N, S, s, Lu <sup>a</sup> , Lu <sup>b</sup> , Xg <sup>a</sup>	Manual method using BioRad reagents, with specific reference to: BTR-RBH-SOP-026
Plasma	Crossmatch (manual)	Manual method using Diamed cards with specific reference to: BTR-RBH-SOP-029
EDTA Blood	Blood Group Anti-A, Anti-B, Anti-D (2 separate clones), A1 and B cells	Automated method using Immucor NEO Iris with specific reference to BTR-BSPS-SOP-147, BTR-BSPS-SOP-148
Plasma	Antibody Screen C,D,E,c,e,V,Cw,K,k,Kpa,Kpb,Js <sup>a</sup> ,Js <sup>b</sup> ,Fya,Fyb,Jka,Jkb,Lea,Leb,P1 M,N,S,s,Lua,Lub,Xga	Automated method using Immucor NEO Iris with specific reference to BTR-BSPS-SOP-147, BTR-BSPS-SOP-148
Plasma	NEO Antibody panel	Automated method using Immucor reagents with specific reference to BTR-RBH-SOP-070
Plasma	Crossmatch (automated)	Automated method using Immucor NEO Iris and reagents with specific reference to BTR-BSPS-SOP-147, BTR-BSPS-SOP-148 BTR-RBH-SOP-029
END		