Schedule of Accreditation

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Accredited to ISO 15189:2022

Frimley Health NHS Foundation Trust
Operating as Berkshire and Surrey Pathology Services

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Testing performed at the above address only

Site activities performed away from the locations listed above:

Location details	Activity
Wexham Park Hospital Main Lab	Blood storage & issue Fridge managed by Blood Sciences
Wexham Park Hospital Theatres	Blood storage & issue Fridge managed by Blood Sciences
Wexham Park Hospital Accident & Emergency Ward	Blood storage & issue Fridge managed by Blood Sciences
Wexham Park Hospital Eden Ward	Blood storage & issue Fridge managed by Blood Sciences
Heatherwood Hospital Pathology Ascot	Blood storage & issue Fridge managed by Blood Sciences Specimen reception

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	<u>Blood Transfusion examinations to assist in clinical investigations</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Whole Blood EDTA	Blood Group by detection and identification of antigens: ABO and RhD	Automated using Immucor Neo analyser: BTR-BSPS-SOP-148 BTR-BSPS-SOP-126 Manual column agglutination and manual Diamed gel IAT technology: BTR-BSPS-SOP-224
Plasma EDTA	Antibody Screen by detection of antibodies to: Cc,E,e K Jka, Jkb Fya, Fyb M, N, S, s Kpa	Automated using Immucor Neo analyser: BTR-BSPS-SOP-148 BTR-BSPS-SOP-126 Manual gel IAT technology BTR-BSPS-SOP-224 BTR-BSPS-SOP-62
Whole Blood EDTA	Antigen phenotyping: Rh C, c, E, e K	Automated using Immucor Neo analyser BTR-BSPS-SOP-115 Manual gel IAT technology BTR-BSPS-SOP-115
Plasma EDTA	Antibody investigation by detection, identification and quantification of: C,c,E,e K Jka, Jkb Fya, Fyb M, N, S, s Kpa	Automated using Immucor Neo analyser BTR-BSPS-SOP-126 Manual gel IAT technology BTR-BSPS-SOP-126

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Blood Transfusion examinations to assist in clinical investigations (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Whole Blood EDTANITY	Direct Antiglobulin Test (DAT)	Automated using Immucor Neo analyser BTR-BSPS-SOP-112 Manual column gel IAT technology BTR-BSPS-SOP-112
Whole Blood EDTA	Foetal Maternal Haemorrhage	Guest medical kits Kleihauer Acid Elution Technique BTR-BSPS-SOP-101
Whole Blood EDTA	Compatibility testing of patients' plasma with donor cells	Cross matching using column gel IAT technology TR-BSPS-SOP-104
	Haematological examinations for the purpose of clinical diagnosis	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole Blood	Full Blood Count (FBC) analysis of the following parameters: Hb WBC PLT RBC Hct MCH MCH MCHC RDW Neutrophils (absolute) Lymphocytes (absolute) Monocytes (absolute) Eosinophils (absolute) Basophils (absolute)	Abbott Alinity HQ analysers. Principle: Flow cytometry, Absorption Spectrophotometry HAE-BSPS-SOP-400 HAE-BSPS-SOP-401

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Haematological examinations for the purpose of clinical diagnosis (cont'd)	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
EDTA Whole Blood	Screening test for Glucose 6 phosphate dehydrogenase deficiency	Trinity Biotech kit, visual qualitative fluorescence HAE-FPH/WPH-SOP-010
EDTA Whole Blood	Malarial antigens of: *Plasmodium falciparum* and pan-detection for: *Plasmodium malariae, Plasmodium ovale & Plasmodium vivax*	CareUS and malaria thick and thin films HAE-BSPS-SOP-007
EDTA Whole Blood	Erythrocyte Sedimentation Rate (ESR)	Automated Starrsed analysers, modified Westergren method HAE-BSPS-SOP-003
EDTA Whole Blood		Manual ESR method HAE-BSPS-SOP-010
EDTA Whole Blood	Glycated Hb (HbA1c)	TOSOH G11 BIO-FPH/WPH-SOP-050
EDTA Whole Blood	Blood film analysis for: Differential leucocyte count and morphology of the leucocytes, erythrocytes and platelets	Automated using Alinity HS slide preparation, staining using -Wright Giemsa and Giemsa stain HAE-BSPS-SOP-402 HAE-BSPS-SOP-020 HAE-BSPS-SOP-028
EDTA Whole Blood Bone Marrow aspirate		Manual Perl's stain HAE-BSPS-SOP-023

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Haematological examinations for the purpose of clinical diagnosis (cont'd)	Documented -in-house methods to meet the requirements of the SCT screening programme as defined in the NHS Sickle Cell and Thalassaemia Screening Programme: laboratory quality assurance evidence requirements
EDTA Whole Blood	Sickle cell solubility	Sickle solubility assay by Clintech HAE-BSPS-SOP-004
EDTA Whole Blood	Haemoglobinopathy screen for Hb variants: HbA, A2, F, S, C, D, E	TOSOH G11 HAE-BSPS-SOP-2 Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Sodium Citrate Plasma	Blood coagulation • Prothrombin Time (PT) • INR • APTT • Fibrinogen • Factor VIII and Factor IX • D-Dimer • APTT mix	Werfen TOPS 550 Mechanical clot detection AE-BSPS-SOP-301 HAE-BSPS-SOP-303 HAE-BSPS-SOP 302 HAE-BSPS-SOP-304 HAE-BSPS-SOP-305 HAE-BSPS-SOP-311
Sodium Citrate Plasma	• Anti Xa	Chromogenic Assay: HAE-BSPS-SOP-316
Serum, EDTA plasma EDTA whole blood NaHep plasma	Detection of infectious mononucleosis heterophile antibodies	Accusay Glandular fever kit. HAE-BSPS-SOP-018

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: Quantitative determination of:	Documented in house methods and manufacturer's instructions for: **Abbott Alinity Ci** Associated SOPs: BIO- BSPS- SOP-043 BIO- BSPS- SOP-040 BS-BSPS-SOP-041 BIO-WPH-SOP-013
Serum,	ACE	Enzymatic kinetic assay
Serum Serum, Serum, Serum, Serum, Serum, Serum,	AFP CA-125 CA-153 CA-199 CEA HCG LH	Sandwich immunoassay **Abbott Alinity Ci**
Serum,	Albumin	Colorimetric BCG assay
Serum, Serum, Plasma, CSF Serum, Serum, Serum,	ALP Iron Lactate Lithium Total bilirubin Total protein	Colorimetric assay
Serum, urine,	Magnesium	Colorimetric endpoint assay
Serum, Serum, Urine Serum,	Alpha 1 Antitrypsin Haptoglobin Microalbumin Transferrin	Immunoturbidimetric assay
Urine, CSF	total protein	Turbidimetric assay
Serum, Serum, Serum, Serum,	ALT AST CK LDH	UV-kinetic assay

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Documented in house methods and manufacturer's instructions for:
	Quantitative determination of (cont'd):	**Abbott Alinity Ci**
Serum, urine	Urea	Kinetic assay
Plasma	Ammonia	Enzymatic assay
Serum	Bicarbonate	
Serum	Bile acids	
Serum, urine	Enzymatic Creatinine	
Serum	Paracetamol	
Serum	Salicylate	
Serum	Ethanol	Enzymatic alcohol dehydrogenase assay
Serum, urine	Amylase	Enzymatic colorimetric assay
Serum	Cholesterol	
Serum	gGT	
Serum	HDL	
Serum	Lipase	
Serum	Triglyceride	
Serum, urine	Uric Acid	
Plasma, CSF	Glucose	Enzymatic Hexokinase UV assay
Serum	Anti-Mullerian Hormone (AMH)	Sandwich immunoassay
Serum	Ferritin	
Serum	Folate	
Serum	FSH	
Serum	hs Troponin T	
Serum	Nt Pro BNP	
Serum	Macroprolactin	
Serum	Procalcitonin	
Serum	Prolactin	
Serum	PSA	
Plasma	PTH	
Serum	SHBG	
Serum	TSH	
Serum	Vitamin D (Total)	
Serum, urine	Calcium	Colorimetric NM-BAPTA assay

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Documented in house methods and manufacturer's instructions for:
	Quantitative determination of (cont'd):	**Abbott Alinity Ci**
Serum	Carbamazepine	KIMS assay
Serum	Digoxin	
Serum	Phenytoin	
Serum	Theophylline	
Serum	Amikacin	
Serum, urine	Chloride	ISE assay
Serum, urine, plasma	Potassium	
Serum, urine, plasma	Sodium	
Serum	Cortisol	Competitive immunoassay
Serum	Free T3	
Serum	Free T4	
Serum	Methotrexate	
Serum	DHEAS	Competitive immunoassay
Serum	Oestradiol	
Serum	Progesterone	
Serum	Testosterone	
Serum	Vitamin B12	
Serum	CRP	Particle enhanced Immunoturbimetric assay
Serum	Direct bilirubin	Diazo method
Serum, urine	Phosphate	Molybdate UV assay
Serum	Tobramycin	Homogeneous enzyme immunoassay
Serum	Vancomycin	
Serum	Gentamicin	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Documented in house methods and manufacturer's instructions for:
	Quantitative determination of (cont'd):	**Abbott Alinity Ci**
Urine	24-hour urine calcium output	Calculated test
Urine	24-hour urine creatinine output	
Urine	24-hour urine magnesium output	
Urine	24-hour urine phosphate output	
Urine	24-hour urine potassium output	
Urine	24-hour urine protein output	
Urine	24-hour urine sodium output	
Urine	24-hour urine urate output	
Urine	24-hour urine urea output	
Urine	Albumin: Creatinine Ratio	
Urine	Protein: Creatinine Ratio	
Serum,	Adjusted calcium	
Serum,	Creatinine Clearance	
Serum,	eGFR	
Serum,	Free Androgen Index	
Serum,	Globulin (Calculated)	
Serum,	LDL	
Serum,	Transferrin Saturation	
Serum,	AKI alerts	Alert 1, 2 or 3 based on creatinine results
Sweat	Sweat test Chloride	Sweat Chloride testing using Sherwood Sweat Chloride meter SPS-SOP-038-APPENDIX-1
Serum,	Macroprolactin	Manual method BIO-BSPS-SOP-015
EDTA plasma	Placental Growth Factor	Quidel Triage Meter Pro BIO-FPH/RSFT/ASPH/WPH-SOP-001
CSF	Xanthochromia	Northstar Bio-UV Spectrophotometer BIO-RBH/WPH-SOP-013

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd)	Documented in house methods and manufacturer's instructions for:
Serum, urine, plasma	Osmolality	Advanced Osmometer OsmoPRO, freezing point depression method SOP BIO-BSPS-SOP-038
	Quantitative determination of:	**Abbott Alinity Ci** Associated SOPs: BIO- BSPS- SOP043 BIO- BSPS- SOP- 040 BS-BSPS-SOP-041 BIO-WPH-SOP-013
Serum	Alpha-fetoprotein (AFP)	Sandwich immunoassay
Serum,	Free B human Chorionic Gonadotrophin (B-hCG)	Documented in-house methods to meet the requirements of the FASP screening programme as defined in the laboratory QA evidence requirements'. Accreditation for 1st Trimester screening:
Serum	Free Beta hCG	Brahms Kryptor – TRACE immunofluorescent assay BIO-WPH-SOP-80
	PAPP-A	
Serum	AMH Oncology HCG	Roche e411 analyser. Principle: Electrochemiluminescence (ECL) technology, Sandwich immunoassays. BIO-WPH-SOP-025
END		