Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



8342

Accredited to ISO 15189:2022

ME16 9QQ

Maidstone & Tunbridge Wells NHS Trust

Issue No: 008 Issue date: 02 October 2025

Blood Sciences Department Contact: Hayley Williams

Maidstone Hospital Tel: 01622 224040

Hermitage Lane E-Mail: hayley.williams15@nhs.net

Maidstone

Testing performed at the above address only

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Blood Sciences Department Maidstone Hospital Hermitage Lane Maidstone ME16 9QQ	Local Contact Ketkee Kothdia Wendy Bonnert Jennifer Ireland	Haematology Coagulation Blood Transfusion Biochemistry	МН
Address Blood Sciences Department Tunbridge Wells Hospital at Pembury, Tonbridge Road Tunbridge Wells TN2 4QJ	Local Contact Ketkee Kothdia Wendy Bonnert Jennifer Ireland	Haematology Coagulation Blood Transfusion Biochemistry	TW

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Site activities performed away from the locations listed above:

Location details		Activity	Location code
Address Blood Fridge Maternity Ward Tunbridge Wells Hospital at Pembury Tonbridge Road Tunbridge Wells TN2 4QJ	Local Contact Wendy Bonnert	Blood Issue Fridge No testing occurs, blood storage only	С

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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	Haematological examination activities for the purposes of clinical diagnosis	In house documented methods and incorporating manufacturers' instructions where relevant	
	<u>Haematology</u>		
EDTA whole blood	Blood Film Appraisal. Examination of peripheral blood films, detection of normal and abnormal morphology and white cell differential count	Manual peripheral blood film preparation and automated Romanowski staining using Sysmex SP10 stainer and examination by light microscopy RWF-BS-HAEM-SOP52	МН
		Manual peripheral blood film preparation and automated Romanowski staining using Sysmex SP10 stainer and examination by light microscopy RWF-BS-HAEM-SOP52	TW
EDTA whole blood	Blood film malaria parasite screening and speciation for determination of malarial parasites: P.falciparum, P.vivax, P.ovale, P.malariae, P. knowlesi and nonmalarial parasites including filarial worms.	Manual peripheral blood film preparation of thick and thin films May-Grunwald-Giemsa (MGG) stain and light microscopy SOP RWF-BS-HAEM-SOP50	MH, TW

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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)	Haematological examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
EDTA whole blood	Full Blood Count (FBC): White Blood Cell count (WBC) Red Blood Cell count (RBC) Haemoglobin (HGB) Haematocrit (HCT) Mean Cell Volume (MCV) Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Platelet count (PLT) Red Cell Distribution (RDW) Neutrophil count (NEUT) Lymphocyte count (LYMP) Monocyte count count(MONO) Eosinophil count (EO) Basophil count (BASO) Nucleated Red Blood Cell count (NRBC) Reticulocyte count (RET)	Flow cytometry using semi- conductive laser, Direct Current (Impedance), sodium lauryl sulphate (SLS) haemoglobin measurement method and using:	МН
		RWF-BS-HAEM-SOP55 Sysmex Instruments RWF-BS-HAEM-SOP55	TW
EDTA whole blood	Erythrocyte Sedimentation Rate (ESR)	Modified Westergren Sedimentation method RWF-BS-HAEM-SOP3 and using:	
		Manual method StaRRsed Microvette ESR Automated methods	MH, TW
		Vitech V8 Interliner analyser Starsed AutoCompact analyser Starrsed AutoCompact	MH MH TW
		analyser	

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HUMAN BODY FLUIDS (cont'd)	Haematological examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
		Documented in-house methods to meet the requirements of the SCT screening programme(s) as defined in the laboratory QA evidence requirements	
EDTA whole blood	Sickle screen	Clinitech sickle screen commercial kit. RWF-BS-HAEM-SOP44	MH, TW
EDTA whole blood	Haemoglobinopathy screening: Quantitation of HbA2 Quantitation of HbF Putative identification of Variant Hb including Hb variants Hb C, D- Punjab, E, O-Arab, Lepor	Electrophoresis using Sebia capillarys 2 flex piercing RWF-BS-HAEM-SOP7	МН
EDTA whole blood	Malaria Detection of Plasmodium falciparum and the differential diagnosis of falciparum from other pan-specific Pasmodium species (vivax, ovale, malariae)	CareStart Kit method (antigen/antibody reaction) and manual staining method using May Grunwald Giemsa and examination by light microscopy RWF-BS-HAEM-SOP50	MH, TW
Citrated blood	Coagulation (Coagulation screens, Clauss fibrinogen, INR, APTTs, D Dimers. Lupus)	ACL TOP550 Coagulometric (turbidimetric), chromogenic (absorbance) and immunological methods RWF-BS-HAEM-SOP54 RWF-BS-HAEM-SOP28 RWF-BS-HAEM-SOP46 RWF-BS-HAEM-SOP33	MH, TW
Citrated blood	Coagulation: Thrombin Time	ACL TOP550 RWF-BS-HAEM-SOP28	TW

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HUMAN BODY FLUIDS (cont'd)	Haematological examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
Serum	Infectious Mononucleosis (IM) heterophile antibodies	Manual method using Launch Accusay Mono Kit RWF-BS-HAEM-SOP4	MH, TW
Serum	Anticardiolipin	Using Orgentec commercial kit on Launch DS2 analyser RWF-BS-HAEM-SOP29	МН

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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)	Blood Transfusion examination activities for the purposes of clinical diagnosis	In house documented methods and incorporating manufacturers' instructions where relevant	
	Blood Transfusion		
EDTA whole blood	Blood Grouping, adult and neonatal: ABO RhD	IBG Immucor ECHO Lumena analyser	MH, TW
		Immucor NEO Iris analyser	МН
		Automated method using solid phase antibody/antigen reaction using coated wells, agglutination visualised by instrument RWF-BS-BT-SOP45 RWF-BS-BT-SOP46	
EDTA whole blood (venous)	Adult blood grouping: ABO RhD,	Manual method using BioRad ID-Card DiaClon ABO/D+ Reverse grouping Centrifugation and agglutinationRWF-BS-BT-SOP35	MH, TW
		RWF- BS- BT- SOP26	
	Rapid confirmation ABO RhD (forward grouping only)		
EDTA whole blood (venous), Cord blood	Neonatal blood grouping: ABO RhD	Manual method using BioRad ID-Card DiaClon ABO/DVI-cards Centrifugation and agglutination RWF-BS-BT-SOP35	MH, TW

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HUMAN BODY FLUIDS (cont'd)	Blood Transfusion examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
EDTA whole blood	Antibody screen, adult and neonatal: Rh: D,C,E,c,e,Cw, V	IBG Immucor ECHO Lumena analyser	MH, TW
	Kell: K,k,Kpa,Kpb,Jsa,Jsb Duffy: Fya,Fyb Kidd: Jka,Jkb Lewis: Lea,Leb P: P1 MNS: M,N,S,s Luth: Lua,Lub Xg: Xga	Immucor NEO Iris analyser Automated method using solid phase antibody/antigen reaction using coated wells, agglutination visualised by instrument RWF-BS-BT-SOP6	МН
EDTA whole blood	Antibody identification: Rh: D,C,E,c,e,Cw,V Kell: K,k,Kpa,Kpb,Jsa,Jsb	IBG Immucor ECHO Lumena analyser	MH, TW
	Duffy: Fya,Fyb Kidd: Jka,Jkb Lewis: Lea,Leb P: P1 MNS: M,N,S,s Lutheran: Lua,Lub Xg: Xga	Immucor NEO Iris analyser Automated method using solid phase antibody/antigen reaction using coated wells, agglutination visualised by instrument RWF-BS-BT-SOP6	MH

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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)	Blood Transfusion examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
EDTA whole blood	Antibody identification: Rh: D,C,E,c,e,Cw,V Kell: K,k,Kpa,Kpb,Jsa,Jsb Duffy: Fya,Fyb Kidd: Jka,Jkb Lewis: Lea,Leb P: P1 MNS: M, N,S,s Lutheran: Lua,Lub Xg: Xga	Manual method using Biorad Gel cards (antibody/antigen agglutination) read manually RWF-BS-BT-SOP6	MH, TW
EDTA whole blood	Antibody screen	Manual method using Biorad Gel cards (antibody/antigen agglutination) read manually RWF-BS-BT-SOP7	MH, TW
EDTA whole blood	Crossmatching	Manual method using Biorad Gel cards (antibody/antigen agglutination) read manually RWF-BS-BT-SOP40 RWF-BS-BT-SOP42 Electronic issue using Telepath LIMS RWF-BS-BT-SOP27	MH, TW
EDTA whole blood	DAT	Manual method using Biorad Gel cards (antibody/antigen agglutination) read manually RWF-BS-BT-SOP11	MH, TW

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HUMAN BODY FLUIDS (cont'd)	Blood Transfusion examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
EDTA whole blood	Antigen phenotyping: Rh and K phenotype	Manual method using BioRad Rh and K phenotyping cards.	MH, TW
		RWF-BS-BT-SOP27	
EDTA whole blood	Kleihauer to detect foeto/maternal haemorrhage	Mollisons protocol for Kleihauer-Betke Acid Elution Test, using light microscopy	TW
		RQF-BS-BT-SOP18	

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis	In house documented methods and incorporating manufacturers' instructions where relevant	
	Biochemistry		
	Quantification of:	Documented procedures and manufacturer's instructions for Roche Cobas 8000 (MH) and Roche Cobas Pro (TW) with specific reference to:	
	Renal		
Serum/Urine	Sodium	Roche Cobas indirect ISE RWF-BS-BIO-SOP87	MH, TW
Serum/Urine	Potassium	Roche Cobas indirect ISE RWF-BS-BIO-SOP87	MH, TW
Serum/ Urine	Creatinine (jaffe)	Roche Cobas Compensated Kinetic jaffe colorimetric RWF-BS-BIO-SOP87	MH, TW
Serum	Creatinine (Enzymatic)	Roche Cobas Enzymatic colorimetric principle RWF-BS-BIO-SOP87	MH, TW
Serum/Urine	Urea	Roche Cobas Kinetic urease RWF-BS-BIO-SOP87	MH, TW
Serum	eGFR	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
Serum	AKI	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
Urine	ACR (albumin creatinine ratio)	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
Urine	PCR (protein creatinine ratio)	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
Serum/Urine	Creatinine clearance	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis	In house documented methods and incorporating manufacturers' instructions where relevant	
	Liver Function		
Serum	Alanine Aminotransferase (ALT)	Roche Cobas UV TRIS buffer without PYP RWF-BS-BIO-SOP87	MH, TW
Serum	Albumin	Roche Cobas bromcresol green (BCG) colorimetric RWF-BS-BIO-SOP87	MH, TW
Serum	Alkaline Phosphatase (ALP)	Roche Cobas colorimetric AMP buffer (IFCC) assay RWF-BS-BIO-SOP87	MH, TW
Serum	Aspartate Amino Transferase (AST)	Roche Cobas UV TRIS buffer without PLP RWF-BS-BIO-SOP87	MH, TW
Serum	Bilirubin (Total)	Roche Cobas diazonium ion Colorimetric assay RWF-BS-BIO-SOP87	MH, TW
Serum	Gamma Glutamyl Transferase (γGT)	Roche Cobas Enzymatic colorimetric Carboxynitroanilide (IFCC) RWF-BS-BIO-SOP87	MH, TW

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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)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions	
	<u>Lipid Profiles</u>		
Serum	Cholesterol	Roche Cobas Cholesterol oxidase Enzymatic, colorimetric method. RWF-BS-BIO-SOP87	MH, TW
Serum	High density lipoproteins (HDL)	Roche Cobas Homogeneous enzymatic colorimetric test RWF-BS-BIO-SOP87	MH, TW
Serum	Triglycerides	Roche Cobas GK/GPO-PAP Enzymatic colorimetric test. RWF-BS-BIO-SOP87	MH, TW
<u>Serum</u>	LDL	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
<u>Serum</u>	NHDL	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
	Thyroid Function		
Serum	Thyroid Stimulating Hormone (TSH)	Roche Elecsys sandwich immunoassay RWF-BS-BIO-SOP87	MH, TW
Serum	Free T3	Roche Elecsys Competition principle immunoassay RWF-BS-BIO-SOP87	МН
Serum	Free T4	Roche Elecsys Competition principle immunoassay RWF-BS-BIO-SOP87	MH, TW
	Cardiac		
Serum	Creatine Kinase (CK)	Roche Cobas UV-test NAC (IFCC) RWF-BS-BIO-SOP87	MH, TW
Serum	Troponin T (high sensitivity)	Roche Elecsys Sandwich principle immunoassay RWF-BS-BIO-SOP87	MH, TW

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
Plasma	Pro BNP (N-terminal pro b-type natriuretic peptide)	Roche Elecsys sandwich immunoassay RWF-BS-BIO-SOP87	TW
	Bone		
Serum/urine	Calcium	Roche Cobas photometric NM- BAPTA assay RWF-BS-BIO-SOP87	MH, TW
Serum	Adjusted calcium	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
Serum/urine	Phosphate	Roche Cobas phosphomolybdate uv RWF-BS-BIO-SOP87	MH, TW
Serum	Magnesium	Roche Cobas xylidyl blue Colorimetric endpoint RWF-BS-BIO-SOP87	MH, TW

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
	General Biochemistry		
Urine	Albumin	Roche Cobas Immunoturbidimetric assay. RWF-BS-BIO-SOP87	МН
Plasma	Ammonia	Roche Cobas Enzymatic (GLDH) RWF-BS-BIO-SOP87	MH, TW
Serum	Amylase	Roche Cobas Enzymatic colorimetric assay G7 substrate (IFCC) RWF-BS-BIO-SOP87	MH, TW
Serum	C Reactive Protein (CRP)	Roche Cobas Particle enhanced immunoturbidimetric assay. RWF-BS-BIO-SOP87	MH, TW
Serum	Chloride	Roche Cobas indirect ISE RWF-BS-BIO-SOP87	MH, TW
Serum	Conjugated Bilirubin	Roche Cobas Diazo colorimetric assay RWF-BS-BIO-SOP87	TW
Serum	Free androgen index	Roche Cobas by calculation RWF-BS-BIO-LI387	МН
Plasma/ CSF	Glucose	Roche Cobas UV Hexokinase +G6PD RWF-BS-BIO-SOP87	MH, TW
Serum	Lactate Dehydrogenase (LDH)	Roche Cobas UV method P to L phosphate RWF-BS-BIO-SOP87	MH, TW
Serum	Protein (Total)	Roche Cobas biuret Colorimetric assay RWF-BS-BIO-SOP87	MH, TW

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
CSF/Urine	Protein (Total)	Roche Cobas - Benzethonium chloride Turbidimetric method. RWF-BS-BIO-SOP87	MH, TW
Serum	Transferrin saturation	Roche Cobas by calculation RWF-BS-BIO-LI387	MH, TW
Serum/Urine	Urate (Uric Acid)	Roche Cobas End point uricase colorimetric test RWF-BS-BIO-SOP87	MH, TW
	Proteins & Tumour markers		
Serum	Alpha Fetoprotein (AFP)	Roche Elecsys Sandwich immunoassay RWF-BS-BIO-SOP87	МН
Serum	Beta 2 Microglobulin	Roche Cobas Immunoturbidimetric assay. RWF-BS-BIO-SOP87	МН
Serum	Carbohydrate Antigen Tumour Markers CEA CA 125 CA 15-3 CA 19-9	Roche Elecsys Sandwich immunoassay RWF-BS-BIO-SOP87	МН
Serum	Immunoglobulins – IgA, IgG, IgM	Roche Cobas immunological agglutination and Immunoturbidimetric assay RWF-BS-BIO-SOP87	TW
Serum	Prostate Specific Antigen (PSA) Total	Roche Elecsys sandwich immunoassay RWF-BS-BIO-SOP87	МН

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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)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
Serum	Oestradiol (Oestrogen)	Roche Elecsys Competition principle immunoassay RWF-BS-BIO-SOP87	МН
Plasma	Parathyroid Hormone (PTH)	Roche Elecsys sandwich immunoassay RWF-BS-BIO-SOP87	МН
Serum	Progesterone	Roche Elecsys Competition principle immunoassay RWF-BS-BIO-SOP87	MH, TW
Serum	Prolactin	Roche Elecsys sandwich immunoassay +/- PEG precipitation RWF-BS-BIO-SOP87	МН
Serum	Macroprolactin	Roche Cobas by calculation RWF-BS-BIO-LI387	МН
Serum	Sex hormone binding globulin	Roche Elecsys sandwich immunoassay RWF-BS-BIO-SOP87	МН
Serum	Testosterone	Roche Elecsys Competition principle immunoassay RWF-BS-BIO-SOP87	MH

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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)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
	Therapeutic drug monitoring & Toxicology		
Serum	Carbamazepine	Roche Cobas Competive kinetic interaction of microparticles (KIMS) RWF-BS-BIO-SOP87	TW
Serum	Digoxin	Roche Cobas Competition principle immunoassay. RWF-BS-BIO-SOP87	MH, TW
Plasma	Ethanol	Roche Cobas Enzymatic method with alcohol dehydrogenase. RWF-BS-BIO-SOP87	MH, TW
Serum	Gentamicin	Roche (CEDIA) Cobas homogenous enzyme immunoassay bacterial β- galactosidase RWF-BS-BIO-SOP87	MH, TW
Serum	Lithium	Roche 9180 ISE RWF-BS-BIO-SOP38	МН

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
Serum	Paracetamol	Roche Cobas arylacylamidase colorimetric RWF-BS-BIO-SOP87	MH, TW
Serum	Phenytoin	Roche Cobas Competive kinetic interaction of microparticles (KIMS) RWF-BS-BIO-SOP87	TW
Serum	Salicylate	Roche Cobas enzymatic. RWF-BS-BIO-SOP87	MH, TW
Serum	Theophylline	Roche Cobas Competive kinetic interaction of microparticles (KIMS) RWF-BS-BIO-SOP87	TW
Serum	Vancomycin	Roche Cobas homogeneous enzyme immunoassay RWF-BS-BIO-SOP87	MH, TW
	Haematinics & Nutrition		
Serum	Ferritin	Roche Cobas Sandwich principle immunoassay. RWF-BS-BIO-SOP87	MH, TW
Serum	Iron	Roche Cobas Colorimetric assay. RWF-BS-BIO-SOP87	MH, TW
Serum	Transferrin	Roche Cobas Immunoturbidimetric assay. RWF-BS-BIO-SOP87	MH, TW
Serum	Vitamin D (25 Hydroxy)	Roche Elecsys Competitiive immunoassay RWF-BS-BIO-SOP87	TW

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HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities for the purposes of clinical diagnosis (cont'd)	In house documented methods and incorporating manufacturers' instructions where relevant	
	<u>Proteins</u>		
Serum / Urine	Electrophoresis (Paraprotein Typing and Quantification)	Sebia Hydrasys2 Protein zone electrophoresis – agarose gel RWF-BS-BIO-SOP77	TW
Urine	pH determination	Mettler Toledo SevenGo pH meter RWF-BS-BIO-SOP69	MH, TW
	<u>Miscellaneous</u>		
Serum/ Urine	Osmolality	Advanced Micro Osmometer OSMO1 Freezing point depression RWF-BS-BIO-SOP78	MH, TW
CSF	Xanthochromia	Uvikon XS Spectrophotometry RWF-BS-BIO-SOP79	TW
Faeces	Faecal Calprotectin	Buhlmann method ELISA Dynex microplate reader RWF-BS-BIO-SOP88	МН
Faeces	Faecal Immunochemical Testing (FIT) for quantification of human globin	MAST OC-Sensor Pledia, using Immunoturbidimetry RWF-BS-BIO-SOP97	МН
END			

END

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