

Blood Sciences, RUH will comply with the requirements of all relevant regulatory bodies and is committed to the use of examination procedures that will ensure the acceptable quality of all tests performed and they remain fit for their intended use.

The accredited scope of activity for the department is given in the UKAS schedule. From time to time, amendments to this scope may be required; examples include addition of new tests or changes to test methodology. In such cases, the department will apply for Extension to Scope (ETS) from UKAS. The following tests are currently in this process:

Biochemistry

Activity/Test	Sample type/s	Comments
ACE (Sentinel)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Acetaminophen (Paracetamol)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
AFP	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Albumin (BCP Sentinel)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
ALP	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Alpha-1-Antitrypsin	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
ALT	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Ammonia (Thermo Infinity)	EDTA Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
AMY	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
AST	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Bicarbonate	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Bicarbonate (calculated)	Whole blood Serum Plasma	ETS platform change to Radiometer ABL90 flex plus
Bile Acid (Sentinel)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Bilirubin (calculated)	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Bilirubin (direct)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Bilirubin (Total)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
CA 15.3	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI

Activity/Test	Sample type/s	Comments
CA 19.9	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
CA125	Serum Plasm	ETS platform change from Roche Cobas to Beckman Coulter DXI
Calcium	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Calprotectin	Faeces	Dynex DS2, ELISA
Carbamazepine	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
CEA	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Chloride	Whole blood Serum Plasma	ETS platform change to Radiometer ABL90 flex plus
Cholesterol	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Complement (C3)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Complement (C4)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Cortisol	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
CPK	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Creatinine	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
CRP	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Digoxin (Siemens)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Estradiol sensitive	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
FCOHb	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Ferritin	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
FHbF	Whole blood	ETS platform change to Radiometer ABL90 flex plus
FHHB	Whole blood	ETS platform change to Radiometer ABL90 flex plus
FmetHb	Whole blood	ETS platform change to Radiometer ABL90 flex plus

Activity/Test	Sample type/s	Comments
FO2Hb	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Folate	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Free T3	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Free T4	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Fructosamine (Sentinel)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
FSH	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Gentamicin (Siemens)		
GGT	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Glucose	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Glucose (calculated)	Serum Plasma Urine CSF	ETS platform change from Roche Cobas to Beckman Coulter AU
H+	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Haptoglobin	Whole blood	ETS platform change to Radiometer ABL90 flex plus
HCG	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
HDL Cholesterol	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Immunoglobulin A	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Immunoglobulin E	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Immunoglobulin G	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Immunoglobulin M	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Ionised calcium	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Iron	Whole blood Serum Plasma	ETS platform change to Radiometer ABL90 flex plus
Lactate	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU

Activity/Test	Sample type/s	Comments
Lactate (calculated)	Plasma CSF	ETS platform change from Roche Cobas to Beckman Coulter AU
LDH (IFCC)	Whole blood	ETS platform change to Radiometer ABL90 flex plus
LH	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Lipase	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Lithium (Thermo Infinity)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Magnesium	Serum	ETS platform change from Roche Cobas to Beckman Coulter AU
NT-proBNP	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Osmolality Osmolar Gap	Serum Plasma	ETS platform change from Roche Cobas to Biomerieux Vidas 3
Parathyroid Hormone	Plasma Serum Urine	ETS platform change from Advanced Instruments Osmometer 3320 to OsmoPRO Multisample Micro-osmometer
pCO2	EDTA Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
PCT	Whole blood	ETS platform change to Radiometer ABL90 flex plus
pH	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Phenobarbitone (Siemens)	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Phenytoin (Siemens)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Phosphate	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
pO2	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Progesterone	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Prolactin	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
PSA	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Reticulocyte count %	Serum	ETS platform change from Roche Cobas to Beckman Coulter DXI
Reticulocytes count #	Whole blood	ETS platform change from Sysmex XN Series to Beckman Coulter DxH
Salicylate (Siemens)	Whole blood	ETS platform change from Sysmex XN Series to Beckman Coulter DxH

Activity/Test	Sample type/s	Comments
Serum Indices	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
SHBG	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
sO2	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Sodium Potassium Chloride	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Sodium	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Sweat Chloride	Whole blood Serum Plasma	ETS platform change to Radiometer ABL90 flex plus
Testosterone	Sweat	ETS platform change from Sherwood Chloride analyser 926 to ELITech chlorocheck 3400
Theophylline (Siemens)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Total Haemoglobin	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Total Protein	Whole blood	ETS platform change to Radiometer ABL90 flex plus
Transferrin (Siemens)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Triglyceride	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
Troponin I	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU
TSH	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
UP (Total Protein)	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
Urea	CSF Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Uric Acid	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Urine Albumin	Serum Plasma Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Vancomycin (Siemens)	Urine	ETS platform change from Roche Cobas to Beckman Coulter AU
Vitamin B12	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter AU

Activity/Test	Sample type/s	Comments
Vitamin D	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI
	Serum Plasma	ETS platform change from Roche Cobas to Beckman Coulter DXI

Haematology

Activity/Test	Sample type/s	Comments
Full Blood Count, including: <ul style="list-style-type: none"> • Haemoglobin (Hb) • Red Blood Cell count (RBC) • Mean Corpuscular Haemoglobin (MCH) • Mean Corpuscular Haemoglobin Concentration (MCHC) • Mean Cell Volume (MCV) • RBC Distribution Width (RDW) • Haematocrit (HCT) • Platelet count (PLT) • Mean Platelet Volume (MPV) • White Blood Cell count (WBC) and differential, including <ul style="list-style-type: none"> • Basophil # • Basophil % • Eosinophil # • Eosinophil % • Lymphocyte # • Lymphocyte % • Monocyte # • Monocyte % • Nucleated RBC (NRBC) # • Nucleated RBC (NRBC) % • Neutrophil # • Neutrophil % 	Whole blood	ETS platform change from Sysmex XN Series to Beckman Coulter DxH
Haemoglobin A1c	Whole blood	ETS platform change from Menarini 9210 to Sebia Capillarys 3

Coagulation

Activity/Test	Sample type/s	Comments
Activated Partial Thromboplastin Time (aPTT)	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Anti Factor-Xa	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Antithrombin activity	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Apixaban Anti-Xa	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Clauss Fibrinogen	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Dabigatran Direct Thrombin Inhibitor Assay	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
D-Dimer	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Edoxaban Anti-Xa	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Factor Assays: <ul style="list-style-type: none"> • Factor II • Factor V • Factor VII • Factor VIII • Factor IX • Factor X • Factor XI • Factor XII 	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Factor Inhibitor Assay (Bathesda)	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Free Protein S antigen	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
International Normalised Ratio (INR) <ul style="list-style-type: none"> • Low Molecular Weight Heparin Anti-Xa 	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Lupus anticoagulant <ul style="list-style-type: none"> • dRVVT-S • dRVVT-C • aPTT-SP • aPTT-SFX • Mixing studies (DOAC-Remove) 	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Mixing Studies	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP

Title: Blood Sciences - Extension to Scope of Accreditation

Effective date: 12/09/2023

Activity/Test	Sample type/s	Comments
Protein C activity	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Prothrombin time	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Rivaroxaban Anti-Xa	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
Unfractionated Heparin Anti-Xa	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
vWF:Ag	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP
vWF:GP1bR	Plasma	ETS platform change from Sysmex CS2100 to ACL TOP