

Laboratory Medicine at University Hospitals Bristol and Weston will comply with the requirements of all relevant regulatory bodies and is committed to continually providing high quality laboratory results by ensuring all examination procedures are fit for purpose. Part of this process is ensuring that all assays are accredited to ISO 15189:2012 initially and then updated to ISO 15189:2022, which is assessed by UKAS.

As part of a renewed network managed service contract for laboratory analysers, UHBW Laboratory Medicine are undergoing a number of analyser and assay changes and updates. This means that the laboratory will initially remove old analysers and assay from current UKAS accreditation scope in order to then reapply for Extension to Scope for new analysers and assays.

The following tables provide details on the tests undergoing this process.

Weston

Clinical Biochemistry:

Activity	Sample type	Comments	Accreditation Status
Osmolality – Osmolar Gap	Serum, plasma, urine	No Change	Not accredited. ETS in preparation.
Glucose	CSF	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Albumin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Alkaline Phosphatase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
ALT	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Amylase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Bicarbonate	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501	Not accredited. ETS in preparation.

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		to Beckman DxC700AU. Not yet submitted.	
Bilirubin (Total)	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
CA125	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Calcium Adjusted Calcium (calculation)	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Carbamazepine	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
CEA	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Cholesterol Non-HDL Cholesterol (calculation)	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Chloride	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Cortisol	Serum, K2EDTA plasma, Li-Hep plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Creatine Kinase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501	Not accredited. ETS in preparation.

		to Beckman DxC700AU. Not yet submitted.	
Creatinine AKI Alerts (calculation) eGFR (calculation)	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
CRP	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Digoxin	Serum, K2EDTA plasma, Li-Hep plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Direct Bilirubin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Ferritin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Folate	Serum, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
FSH	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Free T4	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Free T3	Serum, K2EDTA plasma, Li-Hep	ETS platform change from Roche Cobas E601	Not accredited. ETS in preparation.

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	plasma, fluoride plasma	to Beckman Dxl. Not yet submitted.	
Gamma Glutamyltransferase	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Gentamicin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Glucose	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
HDL Cholesterol	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
HCG	Serum	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
IgG, IgA, IgM	Serum	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Iron	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Lactate dehydrogenase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
LH	Serum, K2EDTA plasma, Li-Hep	ETS platform change from Roche Cobas E601	Not accredited. ETS in preparation.

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	plasma, fluoride plasma	to Beckman Dxl. Not yet submitted.	
Lithium	Serum, K2EDTA plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Magnesium	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Oestradiol	Serum, K2EDTA plasma, Li-Hep plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Paracetamol	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Phenytoin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Phosphate	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Potassium	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Progesterone	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Procalcitonin	Serum, K2EDTA plasma, Li-Hep plasma,	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.

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Prolactin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
PSA	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
PTH	Serum, K2EDTA plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Salicylate	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Sodium	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Testosterone	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Total Protein	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Triglycerides	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Troponin I	Serum, K2EDTA plasma, Li-Hep plasma	Introduction of assay. Performed in Beckman Dxl. ETS not yet submitted.	Not accredited. ETS in preparation.

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TSH	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Urate	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Urea	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Vancomycin	Serum, K2EDTA plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Vitamin B12	Serum, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Total Vitamin D	Serum, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Not accredited. ETS in preparation.
Amylase	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Calcium	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Chloride	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Potassium	Urine	ETS platform change from Roche Cobas C501	Not accredited. ETS in preparation.

		to Beckman DxC700AU. Not yet submitted.	
Sodium	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Creatinine	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Microalbumin	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Phosphate	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Urea	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Urate	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.
Protein	Urine, CSF	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Not accredited. ETS in preparation.

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Haematology and Coagulation:

Activity	Sample type	Comments	Accreditation status
HbA1c	Whole Blood (EDTA, Heparin, Fluoride)	ETS platform change from Menarini Premium 9210 to Sebia Capillarys 3 Tera. Not yet submitted.	Not accredited. ETS in preparation.
Full Blood and Reticulocytes: Includes the following parameters: - WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, PDW, IPF, NEUT, LYMPH, MONO, EOS, BASO, NRBC, MPV, RET, IRF, MDW	Whole blood (EDTA)	ETS platform change from Sysmex XN-9000 to Beckman DxH900. Not yet submitted.	Not accredited from 23 rd May 2023. Extension to scope application in preparation for re-assessment.
Erythrocyte Sedimentation Rate	Whole blood (EDTA)	ETS platform change from Vescube to Alifax Test and Roller 20. Not yet submitted.	Not accredited from 6 th March 2023. Extension to scope application in preparation for re-assessment.
Blood Films - morphology of the red cells, platelets and white cells. Manual differential of white cells	Whole blood (EDTA)	ETS platform change from Sysmex sp-10 to Beckman SMS. Not yet submitted.	Not accredited from 23 rd May 2023. Extension to scope application in preparation for re-assessment.
Detection of malarial parasites: Plasmodium falciparum, Plasmodium malariae, Plasmodium ovale &	Whole blood (EDTA)	No change	Not accredited. ETS in preparation.

Plasmodium vivax & Plasmodium knowlesi			
Malarial Parasite Antigen for pLDH (plasmodium Lactate Dehydrogenase). Detects Plasmodium +/- Falciparum	Whole blood (EDTA)	No change	Not accredited. ETS in preparation.
Detection of heterophile antibodies in Infectious Mononucleosis	Plasma (EDTA)	No change	Not accredited. ETS in preparation.
Haemoglobinopathy screen to confirm or exclude presence of haemoglobin variant and / or thalassaemia: Haemoglobin S	Whole blood (EDTA)	ETS platform change from Arkray to Sebia Capillarys 3 Tera. Not yet submitted.	Not accredited. ETS in preparation.
Ante natal Sick Cell and Thalassaemia Screening	Whole blood (EDTA)	ETS platform change from Arkray to Sebia Capillarys 3 Tera. Not yet submitted.	Not accredited. ETS in preparation.
Coagulation Screen: D-Dimer, APTT, Fibrinogen, INR/ PT	Citrated blood	ETS platform change from Sysmex Cs-2100 to ACL Top 350. Not yet submitted.	Not accredited from 23 rd May 2023. Extension to scope application in preparation for re-assessment.

Transfusion:

Activity	Sample type	Comments	Accreditation Status
ABO and Rh D and DAT Grouping	Whole blood (EDTA)	No change	Not accredited. Voluntary suspension of accreditation to be able to submit ETS to 8227 UKAS number.
Antibody screening and identification of: Anti-D, C, E, c, e,	Whole blood (EDTA)	No change	Not accredited. Voluntary suspension of accreditation to be

Cw, K, k, Kp(a), Kp(b), Fy(a), Fy(b), Jk(a), Jk(b), Le(a), Le(b), P1, M, N, S, s, Lu(a), Lu(b), V, JS(a), JS(b), Xg(a).			able to submit ETS to 8227 UKAS number.
Phenotyping: Rh subgroups and Kell by Gel card (C, E, c, e, Kell) Lorne antisera with Diamed technique (Gel card) (S, s, M, Fy(a), Fy(b), JK(a), JK(b)	Whole blood (EDTA)	No change	Not accredited. Voluntary suspension of accreditation to be able to submit ETS to 8227 UKAS number.
DAT / DAGT (gel card) (IgG, C3d)	Whole blood (EDTA)	No change	Not accredited. Voluntary suspension of accreditation to be able to submit ETS to 8227 UKAS number.
Crossmatch - serological compatibility testing between donor red cell antigens and patient plasma No change antibody.	Whole blood (EDTA)	No change	Not accredited. Voluntary suspension of accreditation to be able to submit ETS to 8227 UKAS number.
Electronic issue (using Echo analyser)	Whole blood (EDTA)	No change	Electronic Issue accredited to ISO 15189:2012 on UKAS schedule number 8227.

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Essential Services Laboratory:

Activity	Sample type	Comments	Accreditation Status
C. difficile glutamate dehydrogenase (GDH) and toxins A & B by Cepheid	Faeces	No change	Awaiting confirmation of accreditation to ISO 15189:2022, post recommendation at assessment on 22/01/2025.
C. difficile glutamate dehydrogenase (GDH) and toxins A & B by Techlab C. diff Quik Chek	Faeces	No change	Awaiting confirmation of accreditation to ISO 15189:2022, post recommendation at assessment on 22/01/2025.
Detection of Norovirus by Cepheid	Faeces	No change	Awaiting confirmation of accreditation to ISO 15189:2022, post recommendation at assessment on 22/01/2025.
Detection of Flu A, B and RSV	Viral swab	No change to assay.	Awaiting confirmation of accreditation to ISO 15189:2022, post recommendation at assessment on 22/01/2025.
Detection of SARS-COV-2	Viral swab	No change to assay.	Awaiting confirmation of accreditation to ISO 15189:2022, post recommendation at assessment on 22/01/2025.