

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 and soon to be 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	Accredited, no change.
Glucose	CSF	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Albumin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Alkaline Phosphatase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
ALT	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Amylase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Bicarbonate	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to	Accredited. Change planned for October

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		Beckman DxC700AU. Not yet submitted.	2023.
Bilirubin (Total)	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
CA125	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Calcium Adjusted Calcium (calculation)	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Carbamazepine	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
CEA	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Cholesterol Non-HDL Cholesterol (calculation)	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Chloride	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Cortisol	Serum, K2EDTA plasma, Li-Hep plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Creatine Kinase	Serum, Li-Hep	ETS platform change from	Accredited. Change

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	plasma	Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	planned for October 2023.
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.	Accredited. Change planned for October 2023.
CRP	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Digoxin	Serum, K2EDTA plasma, Li-Hep plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Direct Bilirubin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Ferritin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Folate	Serum, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
FSH	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Free T4	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.

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Free T3	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Gamma Glutamyltransferase	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Gentamicin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Glucose	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
HDL Cholesterol	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
HCG	Serum	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
IgG, IgA, IgM	Serum	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Iron	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Lactate dehydrogenase	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.

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LH	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Lithium	Serum, K2EDTA plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Magnesium	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Oestradiol	Serum, K2EDTA plasma, Li-Hep plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Paracetamol	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Phenytoin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Phosphate	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Potassium	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Progesterone	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Procalcitonin	Serum, K2EDTA	ETS platform change from	Accredited. Change

	plasma, Li-Hep plasma,	Roche Cobas E601 to Beckman Dxl. Not yet submitted.	planned for October 2023.
Prolactin	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
PSA	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
PTH	Serum, K2EDTA plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Rheumatoid factor	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Salicylate	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Sodium	Serum, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Testosterone	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Theophylline	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Total Protein	Serum, K2EDTA	ETS platform change from	Accredited. Change

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	plasma, Li-Hep plasma	Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	planned for October 2023.
Triglycerides	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Troponin I	Serum, K2EDTA plasma, Li-Hep plasma	Introduction of assay. Performed in Beckman Dxl. ETS not yet submitted.	Not accredited. ETS to be submitted after changeover.
Troponin T	Serum, K2EDTA plasma, Li-Hep plasma	Removal of Assay from scope. Replaced with alternative assay on BCUK platform	Accredited until change over in October 2023. ETS not planned as test will move to Troponin I.
TSH	Serum, K2EDTA plasma, Li-Hep plasma, fluoride plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Urate	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Urea	Serum, K2EDTA plasma, Li-Hep plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Vancomycin	Serum, K2EDTA plasma, citrate plasma, fluoride plasma	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Vitamin B12	Serum, Li-Hep plasma	ETS platform change from Roche Cobas E601 to Beckman Dxl. Not yet submitted.	Accredited. Change planned for October 2023.
Total Vitamin D	Serum, Li-Hep	ETS platform change from	Accredited. Change

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	plasma	Roche Cobas E601 to Beckman Dxl. Not yet submitted.	planned for October 2023.
Amylase	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Calcium	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Chloride	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Potassium	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Sodium	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Creatinine	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Microalbumin	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Phosphate	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Urea	Urine	ETS platform change from	Accredited. Change

		Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	planned for October 2023.
Urate	Urine	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
Protein	Urine, CSF	ETS platform change from Roche Cobas C501 to Beckman DxC700AU. Not yet submitted.	Accredited. Change planned for October 2023.
HbA1c	Whole Blood (EDTA, Heparin, Fluoride)	ETS platform change from Menarini Premium 9210 to Sebia Capillarys 3 Tera. Not yet submitted.	Accredited. Change planned for October 2023.

Haematology and Coagulation:

Activity	Sample type	Comments	Accreditation status
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, P-LCR, PCT, RET, IRF, LRF, MFR, HFR, RET-He, IPF, IG	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	Not accredited from 6 th March 2023. Extension to scope

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		submitted.	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 & Plasmodium vivax & Plasmodium knowlesi	Whole blood (EDTA)	No change	Accredited, no change.
Malarial Parasite Antigen for pLDH (plasmodium Lactate Dehydrogenase). Detects Plasmodium +/- Falciparum	Whole blood (EDTA)	No change	Accredited, no change.
Detection of heterophile antibodies in Infectious Mononucleosis	Plasma (EDTA)	No change	Accredited, no change.
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.	Accredited. Change planned for April 2024.
Ante natal Sickle Cell and Thalassaemia Screening	Whole blood (EDTA)	ETS platform change from Arkray to Sebia Capillarys 3 Tera. Not yet submitted.	Accredited. Change planned for April 2024.
Coagulation Screen: D-	Citrated blood	ETS platform change from	Not accredited from

Dimer, APTT, Fibrinogen, INR/ PT		Sysmex Cs-2100 to ACL Top 350. Not yet submitted.	23 rd May 2023. Extension to scope application in preparation for re- assessment.
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Transfusion:

Activity	Sample type	Comments	Accreditation Status
ABO and Rh D and DAT Grouping	Whole blood (EDTA)	No change	Accredited.
Antibody screening and identification of: Anti-D, C, E, c, e, 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).	Whole blood (EDTA)	No change	Accredited.
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	Accredited.
DAT / DAGT (gel card) (IgG, IgA, IgM, C3c, C3d)	Whole blood (EDTA)	No change	Accredited.
Detection and Estimation of Feto Maternal Haemorrhage	Whole blood (EDTA)	No change	Accredited.
Crossmatch -	Whole blood	No change	Accredited.

serological compatibility testing between donor red cell antigens and patient plasma No change antibody.	(EDTA)		
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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	Accredited, no change.
C. difficile glutamate dehydrogenase (GDH) and toxins A & B by Techlab C. diff Quik Chek	Faeces	No change	Accredited, no change.
Detection of Norovirus by Cepheid	Faeces	No change	Accredited, no change.
Detection of Flu A, B and RSV	Viral swab	ETS application submitted and assessed. All findings cleared; awaiting final review.	Awaiting test completion of accreditation process and addition to scope.
Detection of SARS-COV-2	Viral swab	ETS application submitted and assessed. All findings cleared; awaiting final review.	Awaiting test completion of accreditation process and addition to scope.