# Schedule of Accreditation

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**ISO 15189:2022**

## University Hospitals of North Midlands NHS Trust

**Issue No:** 013 **Issue date**: 30 June 2026


**Department of Biochemistry**
**Royal Stoke Hospital**
**Newcastle Road**
**Stoke on Trent**
**ST4 6QG**

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**Testing performed by the Organization at the locations specified below**

**Locations covered by the organisation and their relevant activities**

**Laboratory locations:**

| Location details | | Activity | Location code |
|---|---|---|---|
| Royal Stoke Hospital<br>Newcastle Road<br>Stoke on Trent<br>Staffordshire<br>ST4 6QG | **Local contact**<br>Brian Cameron | Biochemistry activities to assist with clinical diagnosis<br>Molecular diagnostics | A |

**Site activities performed away from the locations listed above:**

| Location details | | Activity | Location code |
|---|---|---|---|
| County Hospital<br>Weston Road<br>Stafford<br>ST16 3SA | **Local contact**<br>Brian Cameron | Biochemistry activities to assist with clinical diagnosis | B |

DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated | Biochemistry activities to assist with clinical diagnosis<br><br>Quantitation of: | Manufacturer's instructions for Atellica CH/CI1900 analyser / Photometry/IMT analyser in conjunction with in house documented methods | |
| | Alanine Transaminase | BAM-43 | A, B |
| | Albumin | BAM-43 | A, B |
| Plasma | Alcohol/Ethanol | BAM-43 | A, |
| | Alkaline Phosphatase | BAM-43 | A, B |
| Plasma | Ammonia | BAM-43 | A |
| Serum/Plasma/Urine | Amylase | BAM-43 | A, B |
| Serum | Angiotensin Conv. Enzyme | BAP-62 | A |
| | Aspartate Transaminase | BAM-43 | A, B |
| Serum | Bile Salts | BAP-62 | A |
| Serum/Plasma/Urine | Calcium | BAM-43 | A, B |
| | Corrected Calcium | Calculated parameter BPRF-633 | A, B |
| | Carbamazepine | BAM-43 | A |
| Serum/Plasma/Urine | Chloride | BAM-43 | A, B |
| | Cholesterol | BAM-43 | A, B |
| | Conjugated Bilirubin | BAM-43 | A, B |
| Serum | Copper | BAP-62 | A |
| | Creatine Kinase | BAM-43 | A, B |
| Serum/Plasma/Urine | Creatinine | BAM-43 | A, B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd) | Biochemistry activities to assist with clinical diagnosis (cont'd) | Manufacturer's instructions for Atellica CH/CI1900 analyser / Photometry/IMT/ analyser in conjunction with in house documented methods | |
| | Quantitation of: (cont'd) | | |
| | Acute Kidney Injury (AKI) CRP(Wide range) | Calculated parameter BPRF-633 | A, B |
| | Digoxin | BAM-43 | A, B |
| | Estimated Glomerular Filtration Rate (eGFR) | Calculated parameter BPRF-633 | A, B |
| | eGFR (paediatric) | Calculated parameter | A, B |
| | Gamma Glutamyl Transferase | BAM-43 | A, B |
| Serum/Plasma/CSF | Glucose | BAM-43 | A, B |
| Serum/Plasma | HDL Cholesterol | BAM-43 | A, B |
| Serum/Plasma/Urine | Inorganic Phosphate | BAM-43 | A, B |
| Plasma/CSF | Lactate | BAM-43 | A, B |
| | Lactate Dehydrogenase | BAM-43 | A, B |
| | Low Density Lipoproteins (LDL) | Calculated parameter BPRF-633 | A, B |
| | Non HDL | Calculated parameter BPRF-633 | A, B |
| Serum | Lithium | BAM-43 | A, B |
| Serum/Plasma/Urine | Magnesium | BAM-43 | A, B |
| Urine | Microalbumin | BAM-43 | A, B |
| | Paracetamol | BAM-43 | A, B |
| | Phenobarbitone | BAM-43 | A |
| | Phenytoin | BAM-43 | A |
| Serum/Plasma/Urine | Potassium | BAM-43 | A, B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd) | Biochemistry activities to assist with clinical diagnosis (cont'd) | Manufacturer's instructions for Atellica CH/CI1900 analyser / Photometry/IMT/ analyser in conjunction with in house documented methods | |
| | Quantitation of: (cont'd) | | |
| | Salicylates | BAM-43 | A, B |
| | Serum Iron | BAM-43 | A, B |
| Serum/Plasma/Urine | Sodium | BAM-43 | A, B |
| | Theophylline | BAM-43 | A, B |
| | Total Bilirubin | BAM-43 | A, B |
| | Total CO2 | BAM-43 | A, B |
| Serum/Plasma//Urine/ CSF | Total Protein | BAM-43 | A, B |
| | Transferrin | BAM-43 | A, B |
| | Triglycerides | BAM-43 | A, B |
| Serum/Plasma/Urine | Urea | BAM-43 | A, B |
| Serum/Plasma/Urine | Uric Acid | BAM-43 | A, B |
| | Valproic Acid | BAM-43 | A |
| Serum | Zinc | BAP-62 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd) | Biochemistry activities to assist with clinical diagnosis (cont'd)<br><br>Quantitation of: (cont'd) | Manufacturer's instructions for Siemens Atellica IM CI1900(Chemiluminesence) analyser in conjunction with in house documented procedures: | |
| Serum | Alpha Fetoprotein | BAM-43 | A |
| Serum | CA125 | BAM-43 | A |
| Serum | CA15.3 | BAM-43 | A |
| Serum | CA19.9 | BAM-43 | A |
| Serum | CEA | BAM-43 | A |
| Serum | Cortisol | BAM-43 (A) | A, B |
| Serum | DHEAS | BAM-43 | A |
| Serum | ELF score | BAM-43 | A |
| Serum | Ferritin | BAM-43 | A, B |
| Serum | F.S.H. | BAM-43 | A, B |
| Serum | Free T3 | BAM-43 | A, B |
| Serum | Free T4 | BAM-43 | A, B |
| Serum | Gentamicin | BAM-43 | A |
| Serum | HA | BAM-43 | A |
| Serum | Human Chorionic Gonadotrophin | BAM-43 | A, B |
| Serum | Luteinising Hormone | BAM-43 | A, B |
| Serum | Macroprolactin | BAM-43 | A |
| | nNBP | BAM-43 | A, B |
| Serum | Oestradiol | BAM-43 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS Serum and Plasma unless otherwise stated (cont'd) | Biochemistry activities to assist with clinical diagnosis (cont'd)<br><br>Quantitation of: (cont'd) | Manufacturer's instructions for Siemens Atellica IM CI1900(Chemiluminesence) analyser in conjunction with in house documented procedures: | |
| Serum | Procalcitonin | BAM-43 | A |
| Serum | Prolactin | BAM-43 | A, B |
| Serum | Prostate Specific Antigen | BAM-43 | A, B |
| Plasma | PTH | BAM-43 | A, B |
| Serum | P3NP | BAM-43 | A |
| Serum | Serum Folate | BAM-43 | A, B |
| Serum | SHBG | BAM-43 | A |
| Serum | T.S.H. | BAM-43 | A, B |
| Serum | Testosterone | BAM-43 | A, B |
| Serum | TIMP | BAM-43 | A |
| Serum | Tobramycin | BAM-43 | A |
| Serum | Troponin I | BAM-43 | A, B |
| Serum | Progesterone | BAM-43 | A |
| Serum | Vancomycin | BAM-43 | A |
| Serum | Vitamin B12 | BAM-43 | A, B |
| Serum | Vitamin D | BAM-43 | A, B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS<br>Serum and Plasma unless otherwise stated (cont'd) | Biochemistry activities to assist with clinical diagnosis (cont'd)<br><br>Quantitation of: (cont'd) | Manufacturer's instructions for Siemens Immulite 2000 xpi (Chemiluminesence) analyser in conjunction with in house documented procedures: | |
| Plasma | ACTH | BAM-47 | A |
| Serum | Erythropoetin_N | BAM-47 | A |
| Serum | Growth Hormone | BAM-47 | A |
| Serum | Insulin Growth Factor-1 | BAM-47 | A |
| Serum | Thyroglobulin (In-house UHNS) | BAM-47 | A |
| Serum | Thyroglobulin Antibodies | BAM-47 | A |
| Serum and Plasma unless otherwise stated | Quantitation of: | Manufacturer's instructions for Siemens BNII Nephelometer in conjunction with in house documented procedures: | |
| | Alpha-1-Antitrypsin | BPM-33 | A |
| | Beta 2 Microglobulin | BPM-33 | A |
| | Caeruloplasmin | BPM-33 | A |
| | Complement C3 | BPM-33 | A |
| | Complement C4 | BPM-33 | A |
| | Haptoglobin | BPM-33 | A |
| | Immunoglobulin A (g/L) | BPM-33 | A |
| | Immunoglobulin G (g/L) | BPM-33 | A |
| | Immunoglobulin M (g/L) | BPM-33 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS<br>Serum and Plasma unless otherwise stated (cont'd) | <u>Biochemistry activities to assist with clinical diagnosis</u> (cont'd) | Manufacturer's instructions for Sebia Hydragel (Gel Electrophoresis) and immunofixation in conjunction with documented in house procedures | |
| Urine | Bence Jones protein (BJP) | BPM-30 | A |
| Serum/Urine | Detection, identification and quantitation of serum/urine Paraproteins IgG, IgA and IgM classes | Immunofixation BPM-27 | A |
| | | Manufacturer's instructions for Sebia Capillarys (capillary electrophoresis) in conjunction with documented in house procedures | |
| Serum | Detection, identification and quantitation of serum protein fragments | BPM-29<br>Immunotyping | A |
| Serum | Detection, identification and quantitation of serum monoclonal fragments | BPM-28<br>CZEMETHOD | A |
| | Quantitation of: | Manufacturer's instructions for Tosoh G11 (HPLC) in conjunction with documented in house procedures | |
| Whole Blood | Glycated HbA1c IFCC | BMP050 | A |
| Faeces | Calprotectin | IDK Calprotectin ELISA kit<br>Dynex DS2 Immunoassay<br>BMAN-6 Faecal Calprotectin on DS2 | B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS<br>Serum and Plasma unless otherwise stated (cont'd) | <u>Biochemistry activities to assist with clinical diagnosis</u> (cont'd)<br><br>Quantitation of: | Manufacturer's instructions for Osmo 1 Osmometer (freezing point depression) in conjunction with in house documented procedures: | |
| Serum/Urine | Osmolality | BMP-61 | A, B |
| Sweat | Sweat Chloride | Sherwood 926s Chloride Meter BMM001<br><br>DNA extraction using Qiagen extraction kit with gene amplification by the polymerase chain reaction (PCR) Bibby Techne<br><br>TC4000Thermal Cycler | A |
| Whole blood | Factor V Leiden genotype | BMB004 | A |
| Whole Blood | Haemachromatosis gene | BMB005 | A |
| Whole Blood | HLA B27 | BMB006 | A |
| Whole Blood | Prothrombin genotype | BMB007 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry activities to assist with clinical diagnosis (cont'd) | In house quantitative screening method in conjunction with in house documented procedures | |
| | Quantitation of: | Documented procedures & manufacturer's instructions for Perkin Elmer Lambda 25 Spectrophotometer in conjunction with in house documented procedures: | |
| CSF | Xanthochromia | BMAN 001 | A |
| Serum | Serum Free Light Chains | Binding site Optilite using turbidimetry BPM-24 (Kappa) & BPM-25 (Lambda) | A |
| Whole blood (EDTA) | Immunosuppressants:<br>Tacrolimus<br>Cyclosporine | Shimadzu 8050LC-MS/MS<br>BMSM-18 | A |
| Urine | 5-HIAA | Shimadzu 8050LC-MS/MS<br>BMSM-19 | A |
| Faeces | Haemoglobin | Faecal Immunochemical Testing<br>OC Sensor Pledia<br>Latex agglutination<br>BMM-405 | A |
| END | | | |