


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|---|--|
|  9016 Accredited to ISO 15189:2022 | University Hospitals Dorset NHS Foundation Trust | |
| | Issue No: 008 Issue date: 21 January 2025 | |
| | Biochemistry Department Poole Hospital Longfleet Road Poole BH15 2JB | Contact: Simon McLean Tel: +44 (0) 0300 019 8451 E-Mail: Simon.McLean@uhd.nhs.uk Website: www.uhd.nhs.uk |
| Testing performed by the Organisation at the locations specified below | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|--|---------------------------------------|--|
| Biochemistry Department Poole Hospital Longfleet Road Poole BH15 2JB | Local contact: Simon McLean | Automated biochemistry Manual biochemistry PH |
| Biochemistry Department Royal Bournemouth Hospital BH7 7DW | Local contact: Simon McLean | Automated biochemistry Manual biochemistry RBH |



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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 | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood (unless otherwise specified) | Therapeutic monitoring of Gentamicin Carbamazepine Phenytoin Theophylline Valproic Acid Vancomycin | Roche Cobas 8000 analyser using Roche 702/801 homogeneous enzyme immunoassay system BS-SOP-153, BS-SOP-168, BS-SOP-630 BS-SOP-647, BS-SOP-649, BS-SOP-651 BS-SOP-652 | PH |
| Blood | Lithium | Roche Cobas 8000 analyser using Roche 702 Colorimetric method | PH |
| Blood | Tobramycin | Roche Cobas 6000 analyser using Roche 501/601 homogeneous enzyme immunoassay system BS-SOP-681 | RBH |
| Blood | Paracetamol | Roche Cobas 8000 analyser using Roche 702/801 Enzymatic, colorimetric method BS-SOP-638, BS-SOP-650 | PH |
| Blood | Salicylate Paracetamol Salicylate | Roche Cobas 6000 analyser using Roche 501/601 Enzymatic, colorimetric method BS-SOP-696, BS-SOP-793 | RBH |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Chloride | Roche Cobas 8000 analyser using an electrical potential (electromotive force, EMF) for the measurements of ions in solution BS-SOP-736 | PH |
| Blood and urine | Sodium | Roche Cobas 8000 analyser using an electrical potential (electromotive force, EMF) for the measurements of ions in solution BS-SOP-736 | PH |
| Blood and urine | Potassium | | PH |
| Blood and urine | Potassium | Roche Cobas 6000 analyser (Ion Sensitive Electrode) using an electrical potential (electromotive force, EMF) for the measurements of ions in solution BS-SOP-692 | RBH |
| Blood and urine | Sodium | | RBH |
| Blood and urine | Chloride | | RBH |
| Blood | Aspartate aminotransferase (AST) | Roche Cobas 8000 analyser using Roche 702 Heart Enzymes measurement of the rate of the NADH oxidation BS-SOP-133, BS-SOP-626, BS-SOP-766 | PH |
| Blood | Creatine kinase (CK) Lactate dehydrogenase (LDH) | | |
| Blood | Aspartate aminotransferase (AST) | Roche Cobas 6000 analyser using Roche 501 measurement of the rate of the NADH oxidation BS-SOP-141, BS-SOP-147, BS-SOP-687 | RBH |
| | Creatine kinase (CK) Lactate dehydrogenase (LDH) | | |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Unsaturated iron-binding capacity (UIBC) % transferrin saturation (calculated) TIBC (calculated) Serum iron | Roche Cobas 8000 analyser using Roche 702 measurement of a coloured complex produced by Fe ²⁺ reacting with FerroZine. BS-SOP-629, BS-SOP-632. | PH |
| Blood | Alpha 1 antitrypsin | Roche Cobas 8000 analyser using Roche 702 Immunoturbidimetric assay BS-SOP-129, BS-SOP-134, BS-SOP-136, BS-SOP-158, BS-SOP-160, BS-SOP-161, BS-SOP-162, BS-SOP-769 | PH |
| | β 2-microglobulin Caeruloplasmin Haptoglobin Immunoglobulin A Immunoglobulin G Immunoglobulin M | | |
| Blood | Total protein | Roche Cobas 8000 analyser using Roche 702 Colorimetric method SOP-769 | PH |
| Blood | Immunoglobulin A | Roche Cobas 6000 analyser using Roche 501 Immunoturbidimetric assay BS-SOP-165, BS-SOP-213, BS-SOP-214, BS-SOP-215 | RBH |
| | Immunoglobulin G Immunoglobulin M | | |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Alanine aminotransferase | Roche Cobas 8000 analyser using Roche 702 Colorimetric Liver function assays BS-SOP-113, BS-SOP-114, BS-SOP-115, BS-SOP-150 BS-SOP-169, BS-SOP-625 | PH |
| Blood | Albumin Alkaline phosphatase Bilirubin Conjugated Bilirubin γ-glutamyl transferase | | |
| Blood | Alanine aminotransferase | Roche Cobas 6000 analyser using Roche 501Colorimetric Liver function assays BS-SOP-140, BS-SOP-144, BS-SOP-145, BS-SOP-202, BS-SOP-217 | RBH |
| Blood | Albumin Alkaline phosphatase Bilirubin | | |
| Blood | Cholesterol | Roche Cobas 8000 analyser using Roche 702/801 Enzymatic, colorimetric method BS-SOP-151, BS-SOP-159, BS-SOP-166, BS-SOP-747 | PH |
| Blood | HDL Cholesterol Triglycerides LDL | | |
| Blood | Cholesterol | Roche Cobas 6000 analyser using Roche 501/601 Enzymatic, colorimetric method BS-SOP-208, BS-SOP-209, BS-SOP-210, BS-SOP-747 | RBH |
| Blood | HDL Cholesterol Triglycerides LDL | | |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Amylase | Roche Cobas 8000 analyser using Roche 702/801; General Chemistries Enzymatic, colorimetric method BS-SOP-114, BS-SOP-152, BS-SOP-164, BS, SOP-167, BS-SOP-733, BS-SOP-734, BS-SOP-735, BS-SOP-737, BS-SOP-767, BS-SOP-768, BS-SOP-769, BS-SOP-771, BS-SOP-772 | PH |
| | Calcium C-reactive protein Protein Glucose Magnesium Urea Phosphate Creatinine Albumin | | |
| Urine | Amylase | Roche Cobas 8000 analyser using Roche 702/801; General Chemistries Enzymatic, colorimetric method BS-SOP-114, BS-SOP-152, BS-SOP-164, BS, SOP-167, BS-SOP-733, BS-SOP-734, BS-SOP-735, BS-SOP-737, BS-SOP-767, BS-SOP-768, BS-SOP-769, BS-SOP-771, BS-SOP-772 | PH |
| Urine | Protein | | |
| Urine | Urea | | |
| Urine | Creatinine | | |
| Urine | Microalbumin | | |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Amylase Calcium C-reactive protein Protein Glucose Magnesium Urea Phosphate Creatinine Albumin | Roche Cobas 6000 analyser using Roche 501/601 General Chemistries Enzymatic, colorimetric method BS-SOP-140, BS-SOP-154, BS-SOP-165, BS-SOP-211 BS-SOP-590, BS-SOP-662, BS-SOP-683, BS-SOP-686, BS-SOP-688, BS-SOP-691, BS-SOP-693, BS-SOP-694, BS-SOP-772 | RBH |
| Urine | Amylase Calcium Glucose Protein Magnesium Urea Phosphate Creatinine Microalbumin | Roche Cobas 6000 analyser using Roche 501/601 General Chemistries Enzymatic, colorimetric method BS-SOP-140, BS-SOP-154, BS-SOP-165, BS-SOP-211 BS-SOP-590, BS-SOP-662, BS-SOP-683, BS-SOP-686, BS-SOP-688, BS-SOP-691, BS-SOP-693, BS-SOP-694, BS-SOP-772 | RBH |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Urine, Serum | Urate | Roche Cobas 6000 analyser using Roche 501/601 Urate Assays; Enzymatic, colorimetric method BS-SOP-157 | RBH |
| Blood | Urate | Roche Cobas 8000 analyser using Roche 702/801 Urate Assays; Enzymatic, colorimetric method BS-SOP-770 | PH |
| Blood | Ammonia | Roche Cobas 8000 analyser using Roche 702/801 Miscellaneous Assays; Enzymatic method, with glutamate dehydrogenase, BS-SOP-130 | PH |
| Blood | Bicarbonate | Reaction with phosphoenolpyruvate (PEP) in the presence of PEPC, BS-SOP-135 | PH |
| Blood | Lactate | Colorimetric assay BS-SOP-163 | PH |
| Blood | Bile Acids | Conversion of bile acids to 3-keto steroids and NADH BS-SOP-170 | PH |
| Blood | Bicarbonate | Roche Cobas 6000 analyser using Roche 501/601 Miscellaneous Assays; Reaction with phosphoenolpyruvate (PEP) in the presence of PEPC BS-SOP-207 | RBH |
| CSF CSF CSF | Protein Glucose Lactate | Roche Cobas 8000 analyser using Roche 702/801 CSF Assays; Turbidimetric method Enzymatic reference method UV Assay BS-SOP-167, BS-SOP-737, BS-SOP-766, BS-SOP-777 | PH |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| CSF CSF | Protein Glucose | Roche Cobas 6000 analyser using Roche 501/601 CSF Assays; Turbidimetric method Enzymatic reference method | RBH |
| Blood | HCG | BS-SOP-597, BS-SOP-688, BS-SOP-694, BS-SOP-777 Roche Cobas 8000 analyser using Roche 602 Immunoassay with chemiluminescence BS-SOP-171, | PH |
| Blood | HCG | Roche Cobas 6000 analyser using Roche 801 Immunoassay with chemiluminescence BS-SOP-689, BS-SOP-695 BS-SOP-172, BS-SOP-173 BS-SOP-174, BS-SOP-175, BS-SOP-177, BS-SOP-677 | RBH |
| | Alpha foetalprotein Ca19-9 Ca 125 Carcinoembryonic Antigen Prostate Specific Antigen Ca 15-3 Prostate Specific Antigen | | |
| Blood | Parathyroid Hormone | Roche Cobas 8000 analyser using Roche 801 line A - Immunoassay with chemiluminescence BS-SOP-176, BS-SOP-599, BS-SOP-601, BS-SOP-699, BS-SOP-772 | PH |
| | Cortisol Digoxin | | |



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| Blood | FSH LH Luteinising hormone Oestradiol Progesterone Prolactin Sex Hormone Binding Globulin Testosterone | Roche Cobas 8000 analyser using Immunoassay with Roche 801 hormone assays using chemiluminescence BS-SOP-602, BS-SOP-605, BS-SOP-606, BS-SOP-608, BS-SOP-609, BS-SOP-610, BS-SOP-764, BS-SOP-772 | PH |
| Blood | Procalcitonin (PCT) Vitamin D NTproBNP Tacrolimus | Roche Cobas 6000 analyser using Roche 601 Miscellaneous Assays; Immunoassay with chemiluminescence BS-SOP-218, BS-SOP-740, BS-SOP-753, BS-SOP-761 | PH |
| Blood | Free Triiodothyronine (FT3) Free thyroxin (FT4) Thyroid stimulating hormone (TSH) | Roche Cobas 6000 analyser using Roche 601 Thyroid Function Tests; Immunoassay with chemiluminescence BS-SOP-603, BS-SOP-604, BS-SOP-611 | RBH |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u> | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Free thyroxin (FT4) | Roche Cobas 6000 analyser using Roche 601 Thyroid Function Tests; Immunoassay with chemiluminescence BS-SOP-581, BS-SOP-583 | RBH |
| Blood | Thyroid stimulating hormone (TSH) | | |
| Blood | Troponin HS TNT | Roche Cobas 8000 analyser using Roche 801 HS Troponin Assay Immunoassay with chemiluminescence BS-SOP-178 | PH |
| Blood | Troponin HS TNT | Roche Cobas 6000 analyser using Roche 601 HS Troponin Assay Immunoassay with chemiluminescence BS-SOP-697 | RBH |
| Blood | Vitamin B12 | Roche Cobas 8000 analyser using Roche 801 Haematinics Immunoassay with chemiluminescence BS-SOP-622, BS-SOP-623, BS-SOP-624 | PH |
| Blood | Folate Ferritin | | |
| Blood | Kappa serum free light chains | Roche Cobas 6000 analyser using Roche 501 Serum Free Light Chains Enhanced Turbidimetry BS-SOP-715, BS-SOP-727 | RBH |
| Blood | Lambda serum free light chains | | |
| Blood | Macroprolactin | Roche Cobas 8000 analyser using Roche Macromolecule Analysis Immunoassay with chemiluminescence BS-SOP-111, BS-SOP-517, BS-SOP-518 | PH |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examinations for the purposes of clinical diagnosis (cont'd)</u> | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | Alcohol (ethanol) | Roche Cobas 6000 analyser using Roche 501 Enzymatic method with alcohol dehydrogenase BS-SOP-206 | RBH |
| Blood | Complement C3 | Roche Cobas 6000 analyser using Roche 501 Immunology assays Immunoturbidimetric assay BS-SOP-678, BS-SOP-679, BS-SOP-680 | RBH |
| | Complement C4 Rheumatoid Factor | | |
| | <u>Calculated tests</u> | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| Blood | HDL Cholesterol ratio Non-HDL/cholesterol | By calculation | PH |
| Blood | HDL/Cholesterol ratio Non-HDL/cholesterol | By calculation | RBH |
| Serum | eGFR Adjusted/corrected Calcium | By calculation | PH / RBH |
| Serum | Free androgen index (FAI) | By calculation | PH |
| Urine | Albumin/Creatinine Ratio Creatinine clearance Protein /creatinine | By calculation | PH |
| Urine | Albumin/Creatinine Ratio Creatinine clearance Calcium/Creatinine Ratio Urate/Creatinine Ratio Protein /creatinine | By calculation | RBH |
| Urine and serum | Creatinine clearance | By calculation | PH / RBH |



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| HUMAN BODY FLUIDS (cont'd) | <u>Calculated tests</u> (cont'd) | Manufacturer's instructions for the Roche analysers and in house documented methods | |
| 24 hr urine excretion | Total protein | By calculation | PH |
| 24 hr urine excretion | Total protein Calcium | By calculation | RBH |
| Blood and urine | Osmolality | Model 33000 Micro-osmometer using measurement of the depression of freezing point BS-SOP-549, BS-SOP-762, BS-SOP-772 | PH / RBH |
| CSF | Xanthochromia | Xanthochromia measurement using Helios Alpha Unicam scanning spectrophotometer BS-SOP-107, BS-SOP-685 | PH |
| Serum | Detection and Quantitation of paraproteins | Sebia Capillarys 2 Flex Piercing System and Sebia Hydrasys 2 System using Capillary Zone Electrophoresis, Immunofixation and Immunotyping BS-SOP-817, BS-SOP-820, BS-SOP-821 | RBH |
| Blood | IgF1 Human growth hormone | Diasorin Liaison XL analyser using chemiluminescence immunoassay (CLIA) BS-SOP-712, BS-SOP-713 MV-EQ-9, BS-SOP-772 | PH |
| END | | | |