


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|   |   |  |
|---|---|--|
| <br><b>9574</b><br><b>Accredited to<br/>ISO 15189:2012</b> | <b>Gloucestershire Hospitals NHS Foundation Trust</b>   |  |
|   | Issue No: 007    Issue date: 30 July 2024   |  |
|   | <b>Department of Clinical Biochemistry<br/>Gloucestershire Royal Hospital<br/>Great Western Road<br/>Gloucester<br/>Gloucestershire<br/>GL1 3NN</b> | <b>Contact: Linford Rees<br/>Tel: +44 (0)3004 225 385<br/>E-Mail: linford.rees@nhs.net<br/>Website: www.gloshospitals.nhs.uk</b> |
| <b>Testing performed by the Organization at the locations specified below</b>   |   |  |

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

#### Laboratory locations:

| Location details:   | Activity:             | Location code |
|---|-----------------------|---------------|
| <b>Address:</b><br>Department of Clinical Biochemistry<br>Gloucestershire Royal Hospital<br>Great Western Road<br>Gloucester<br>Gloucestershire<br>GL1 3NN<br><b>Contact:</b><br>Linford Rees | Clinical Biochemistry | A             |
| <b>Address:</b><br>Department of Clinical Biochemistry<br>Cheltenham General Hospital<br>Sandford Road<br>Cheltenham<br>Gloucestershire<br>GL53 7AN<br><b>Contact:</b><br>Linford Rees        | Clinical Biochemistry | B             |



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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 examination activities for the purpose of clinical diagnosis</u> | Manufacturer's instructions for equipment and kits where relevant in conjunction with in-house procedures: |               |
| Serum or plasma unless otherwise stated | Quantitation of:   | Roche Cobas ISE/c702/c702 and e801(long line) and ISE/ c702 and e801 (short line)                          | A             |
|   |  | Roche Cobas c501/c501/e601 and c501  | B             |
|   | Albumin  | CHSOPR010<br>Colourimetric   | A, B          |
| Urine                                   | Albumin  | CHSOPR041<br>Immunoturbidimetric   | B             |
|   | Alkaline phosphatase   | CHSOPR011<br>Colourimetric   | A, B          |
|   | Alanine transaminase   | CHSOPR012<br>Catalytic activity  | A, B          |
|   | Ammonia  | CHSOPR035<br>Enzymatic method with glutamate dehydrogenase   | A             |
|   | Amylase  | CHSOPR019<br>Enzymatic colourimetric   | A, B          |
| Urine                                   | Amylase  | CHSOPR019<br>Enzymatic colourimetric   | A             |
|   | Aspartate Aminotransferase   | CHSOPR022<br>Catalytic activity/enzymatic  | A, B          |
|   | Bicarbonate  | CHSOPR038<br>Colourimetric   | A, B          |



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| Serum or plasma unless otherwise stated (cont'd) | Quantitation of:  | Roche Cobas ISE/c702/c702 and e801(long line) and ISE/ c702 and e801 (short line)                          | A             |
|  |   | Roche Cobas c501/c501/e601 and c501  | B             |
| Urine  | Bile acids  | CHSOPR040<br>Enzymatic   | A             |
|  | Calcium   | CHSOPR006<br>Colourimetric   | A, B          |
|  | Adjusted Calcium  | CHSOPR006<br>Calculated parameter  | A, B          |
|  | Calcium   | CHSOPR006<br>Colourimetric   | A             |
|  | Chloride  | CHSOPR002<br>Indirect ISE  | A, B          |
|  | Cholesterol   | CHSOPR015<br>Enzymatic colourimetric   | A             |
|  | Creatine kinase   | CHSOPR021<br>UV-test   | A, B          |
| Urine  | Creatinine  | CHSOPR004<br>Enzymatic   | A, B          |
|  | Creatinine  | CHSOPR004/045<br>Enzymatic   | A, B          |
|  | AKI   | CHMN027<br>Calculated parameter  | A, B          |



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|  |   | Roche Cobas c501/c501/e601 and c501  | B             |
|  | eGFR  | CHMN027<br>Calculated parameter CKD-EPI  | A, B          |
|  | Conjugated Bilirubin  | CHSOPR014<br>Diazo method  | A             |
|  | C reactive protein  | CHSOPR020<br>Particle enhanced<br>Immunoturbidimetric assay  | A, B          |
|  | Ethanol   | CHSOPR033<br>Enzymatic using alcohol dehydrogenase   | A, B          |
|  | Gamma Glutamyl transferase (GGT)  | CHSOPR037<br>Enzymatic assay   | A, B          |
|  | Glucose   | CHSOPR005<br>Hexokinase method   | A, B          |
| CSF  | Glucose   | CHSOPR039<br>Hexokinase method   | A             |
|  | High density lipoprotein (HDL)  | CHSOPR017<br>Homogeneous enzymatic colourimetric method  | A             |
|  | Insulin Like Growth Factor-1 (IGF-1)  | CHSPOR-111<br>Sandwich ECLIA   | A             |



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| Serum or plasma unless otherwise stated (cont'd) | Quantitation of: (cont'd)   | Roche Cobas ISE/c702/c702 and e801(long line) and ISE/ c702 and e801 (short line)                          | A             |
|  |   | Roche Cobas c501/c501/e601 and c501  | B             |
| CSF  | Iron  | CHSOPR036<br>Ferrozine method  | A             |
|  | Lactate   | CHSOPR034<br>Enzymatic colourimetric   | A, B          |
|  | Lactate   | CHSOPR034<br>Colourimetric assay   | A             |
|  | Lactate dehydrogenase   | CHSOPR023<br>Optimised standard method acc IFCC  | A, B          |
|  | Lithium   | CHSOPR032<br>Colourimetric method  | A             |
| Urine  | Magnesium   | CHSOPR007<br>Colourimetric endpoint  | A, B          |
|  | Magnesium   | CHSOPR007<br>Colourimetric endpoint  | A             |
|  | Salicylate  | CHSOPR028<br>Enzymatic assay   | A, B          |
|  | Paracetamol   | CHSOPR029<br>Colourimetric assay   | A, B          |
|  | Phosphate   | CHSOPR008<br>Molybdate UV  | A, B          |



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| Serum or plasma unless otherwise stated (cont'd) | Quantitation of: (cont'd)   | Roche Cobas ISE/c702/c702 and e801(long line) and ISE/ c702 and e801 (short line)                          | A             |
|  |   | Roche Cobas c501/c501/e601 and c501  | B             |
| Urine  | Phosphate   | CHSOPR008<br>Molybdate UV  | A             |
|  | Potassium   | CHSOPR002<br>Indirect ISE  | A, B          |
| Urine  | Potassium   | CHSOPR045<br>Indirect ISE  | A, B          |
| Urine  | Protein   | CHSOPR042<br>Turbidimetric   | A             |
| CSF  | Protein   | CHSOPR039<br>Turbidimetry  | A             |
|  | Sodium  | CHSOPR002<br>Indirect ISE  | A, B          |
| Urine  | Sodium  | CHSOPR045<br>Indirect ISE  | A, B          |
|  | Soluble fms-like tyrosine kinase-1 (sFlt-1)   | CHSOPR-112<br>Sandwich ECLIA   | A             |
|  | Placental Growth Factor (PIGF)  | CHSOPR-112<br>Sandwich ECLIA   | A             |
|  | PIGF/sFlt-1 Ratio   | CHSOPR-112<br>Calculated Test  | A             |
| Whole blood lysed                                | Tacrolimus  | CHGN128<br>Competitive ECLIA   | A             |
|  | Thyroglobulin (Tg)  | CHSOPR-113<br>Sandwich ECLIA   | B             |
|  | Anti-Thyroglobulin (TgAb)   | CHSOPR-113<br>Sandwich ECLIA   | B             |



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| Serum or plasma unless otherwise stated (cont'd) | Quantitation of: (cont'd)   | Roche Cobas ISE/c702/c702 and e801(long line) and ISE/ c702 and e801 (short line)                          | A                                       |      |
|  |   | Roche Cobas c501/c501/e601 and c501  | B                                       |      |
|  |   | Transferrin  | CHSOPR036<br>Immunoturbidimetric        | A    |
|  |   | Total Protein  | CHSOPR009<br>Colourimetric              | A, B |
|  |   | Total Bilirubin  | CHSOPR013<br>Colourimetric Diazo method | A, B |
|  |   | Triglyceride   | CHSOPR016<br>Enzymatic colourimetric    | A    |
|  |   | Urate  | CHSOPR018<br>Enzymatic colourimetric    | A, B |
| Urine  | Urate   | CHSOPR018<br>Enzymatic colourimetric   | A                                       |      |
|  | Urea  | CHSOPR003<br>Kinetic assay   | A, B                                    |      |
| Urine  | Urea  | CHSOPR045<br>Kinetic analysis  | A                                       |      |
|  | Gentamicin  | CHSOPR026<br>Homogeneous enzyme immunoassay (CEDIA)  | A, B                                    |      |
|  | Tobramycin  | CHSOPR027<br>Homogeneous enzyme immunoassay (CEDIA)  | A                                       |      |



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| Serum or plasma unless otherwise stated (cont'd) | Quantitation of: (cont'd)   | Roche Cobas ISE/c702/c702 and e801(long line) and ISE/ c702 and e801 (short line)                          | A   |   |
|  |   | Roche Cobas c501/c501/e601 and c501  | B   |   |
|  | Vancomycin  | CHSOPR068<br>Homogeneous enzyme immunoassay (CEDIA)  | A   |   |
|  | Carbamazepine   | CHSOPR025<br>Homogeneous microparticle agglutination assay   | A   |   |
|  | Phenytoin   | CHSOPR024<br>Kinetic interaction of microparticles in solution (KIMS)                                      | A   |   |
|  | Theophylline  | CHSOPR031<br>Kinetic interaction of microparticles in solution (KIMS)                                      | A   |   |
|  | Serum   | Quantitation of:   | Roche Cobas e801 (Gloucester) and e601 (Cheltenham) electrochemiluminescence using in-house procedures: |   |
|  |   | Cortisol   | CHSOPR047<br>Competition principle  | A |
|  |   | Follicle Stimulating hormone   | CHSOPR053<br>Sandwich principle   | A |
|  |   | Free T3  | CHSOPR050<br>Competition principle  | A |
|  | Free T4   | CHSOPR050<br>Competition principle   | A   |   |





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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for equipment and kits where relevant in conjunction with in-house procedures: |               |
| Serum (cont'd)             | Quantitation of: (cont'd)   | Roche Cobas e801 (Gloucester) and e601 (Cheltenham) electrochemiluminescence using in-house procedures:    |               |
|                            | Growth hormone  | CHSOPR080<br>Sandwich principle  | B             |
|                            | Luteinizing hormone   | CHSOPR053<br>Sandwich principle  | A             |
|                            | Oestradiol  | CHSOPR057<br>Competition principle   | B             |
|                            | Progesterone  | CHSOPR052<br>Competition principle   | A             |
|                            | Prolactin   | CHSOPR053<br>Sandwich principle  | A             |
|                            | Parathyroid Hormone   | CHSOPR059<br>Sandwich principle  | A             |
|                            | Sex Hormone Binding globulin  | CHSOPR058<br>Sandwich principle  | A             |
|                            | Testosterone  | CHSOPR056<br>Competition principle   | A             |
|                            | Thyroid stimulating hormone   | CHSOPR050<br>Sandwich principle  | A             |
|                            | Digoxin   | CHSOPR030<br>Competition principle   | A             |
|                            | Procalcitonin   | CHSOPR078<br>Sandwich principle  | A             |
|                            | Troponin T  | CHSOPR046<br>Sandwich principle  | A, B          |



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| Serum (cont'd)             | Quantitation of: (cont'd)   | Roche Cobas e801 (Gloucester) and e601 (Cheltenham) electrochemiluminescence using in-house procedures:    |               |
|                            | Vitamin D   | CHSOPR088<br>Competition principle   | A             |
|                            | Alpha fetoprotein   | CHSOPR063<br>Sandwich principle  | B             |
|                            | CA125   | CHSOPR060<br>Sandwich principle  | B             |
|                            | CA-15-3   | CHSOPR075<br>Sandwich principle  | B             |
|                            | CA 19-9   | CHSOPR061<br>Sandwich principle  | B             |
|                            | Carcino-embryonic antigen (CEA)   | CHSOPR062<br>Sandwich Principle  | B             |
|                            | Total Prostate specific antigen   | CHSOPR055<br>Sandwich principle  | A             |
|                            | Beta HCG  | CHSOPR048<br>Sandwich principle  | A             |
|                            | Quantification of:  | Advanced Micro Osmometer OsmoPro freezing point depression analysis and in-house procedure:                |               |
| Serum & Urine              | Osmolality  | CHMN001  | A             |



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| HUMAN BODY FLUIDS (cont'd) | <u>Biochemistry examination activities for the purpose of clinical diagnosis</u> (cont'd) | Manufacturer's instructions for equipment and kits where relevant in conjunction within house procedures:                    |               |
| Whole blood (EDTA)         | Detection and quantification of:<br><br>HbA1c   | Menarini 9210 Premier analyser<br>Boron affinity chromatography and in-house procedure:<br><br>CHMN030                       | A             |
| Faeces                     | Calprotectin  | Dynex DS2 Enzyme linked Immunosorbent assay (ELISA) and in-house procedure:<br><br>CHMN033                                   | A             |
| Sweat                      | Sweat chloride  | Wescor Macroduct sweat collection system and Sherwood 926S chloride analyser coulometric titration using in-house procedure: | A             |
| CSF                        | CSF Xanthochromia   | CHMN011<br><br>Northstar Bio-UV UVIKON XL Spectrophotometer- Spectrophotometry<br>CHGN027                                    | A             |
| END                        |   |  |               |