


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|--|---|
|  8091 Accredited to ISO 15189:2022 | Sheffield Teaching Hospitals NHS Foundation Trust | |
| | Issue No: 014 Issue date: 05 March 2026 | |
| | Haematology Department Sheffield Children's Hospital Western Bank Sheffield S10 2TH United Kingdom | Contact: Karen Lester Tel: +44 (0)1143053885 E-Mail: sth.sybpqrg@nhs.net Website: https://www.sheffieldchildrens.nhs.uk/laboratory-medicine/ |
| Testing performed at the above address only | | |

| Location details | Activity |
|--|-------------------------|
| Sheffield Children's Hospital Western Bank Sheffield S10 2TH Local contact Karen Lester | Phlebotomy (SOP1159) |



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Sheffield Teaching Hospitals NHS Foundation Trust - Paediatric Haematology

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DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|--|--|
| HUMAN BODY SAMPLES | <u>Haematology examination activities for the purposes of clinical diagnosis:</u> | Documented procedures as specified below: |
| EDTA Whole Blood | Blood Count- Full blood count(Red blood cells, White blood cells, Hb, MCH, MCHC, MCV, HCT, , Neutrophils, Lymphocytes, Monocytes, Basophils, Eosinophils, Platelets) Reticulocytes Nucleated Cell count | SOP's 1121 using the Siemens Advia 2120i |
| Blood/ Bone Marrow Aspirate/CSF cytopsin staining | Morphology- Blood film assessment Fluid cytology/cell count (blood film) | SOP 1155 & 1152 using non-automated microscopical processes using Hematek 3000 slide stainer |
| EDTA Whole Blood | Screening and detection of malarial parasites by thin blood film | SOP 1155 using non-automated microscopical processes using Hematek slide stainer |
| EDTA Whole Blood | Malaria pLDH and HRP2 antigens | SOP's 1155 & 1155a using Apacor CareUS Malaria Rapydtest |



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| HUMAN BODY SAMPLES (cont'd) | <u>Haematology examination activities for the purposes of clinical diagnosis (cont'd):</u> | |
| Citrated Plasma | Coagulation- Coagulation screen (PT,APTT,cFib) and additional testing as required (APTT50, PT50, TT, Reptilase time) D-Dimer INR APTT Ratio Factor diagnostic and therapeutic monitoring assays: II,V,VII, VIII, IX,X,XI,XII,VWF antigen and activity. Factor VIII /inhibitor Factor IX /inhibitor Heparin monitoring by Anti Xa Lupus anticoagulant | SOPs 1212, 1212b, 1253e,f, f1,g,h,k, 1253e2, 1253fa using the IL ACL TOP 550 |
| EDTA Whole Blood | Flow Cytometry- CD34 count Lymphocyte subsets (CD3/CD4/CD8/CD4/CD19/CD56 Hereditary Spherocytosis (HS) diagnosis | BD FACSLyric Flow Cytometer SOP 1460 SOP 1467 SOP 1472 |
| EDTA Whole Blood | Erythrocyte Sedimentation Rate (ESR) | SOP 1153b using the ESR Stat plus 180. |
| EDTA Plasma | Infectious Mononucleosis (IM) Screening | SOP 1154 using non –automated Biokit commercial kit. |
| EDTA Whole Blood | Sickle Screen (Sickle Solubility test) | SOP 1321 using non-automated in-house reagents. |
| EDTA Whole Blood | Haemoglobinopathy analysis by detection of- Haemoglobin fractions A, F, S & C. Quantitation of HbF%, and HbS% | SOP's 1350 & 1352 using Sebia Minicap Capillary electrophoresis |
| EDTA Whole Blood | Red Blood Cell Enzymes G6PD screen | SOP 1311 using non-automated fluorescent spot in-house reagents |



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| HUMAN BODY SAMPLES (cont'd) | <u>Blood Transfusion examination activities for the purpose of clinical diagnosis</u> | Documented procedures as described below: |
| EDTA Whole Blood | Blood Grouping: ABO RhD Rh C, c, E, e K Red cell antibody screening and identification: Rh D, C, c, E, e, f, Cw Kell K, k, Kpa, Kpb Duffy Fya, Fyb Kidd Jka, Jkb Lewis Lea, Leb MNS S, s, M, N Lutheran Lua, Lub Direct Anti-Human Globulin Test (DAT): Monospecific (IgG +/- C3d) Polly specific (IgG, C3d, Ctl) Compatibility testing using patients plasma and donor red cells. | SOP 1619 using BioRad IH500 automated analyser and associated testing protocols using BioRad gel card technology. SOP 1600 using Manual blood grouping using manual technique. |
| EDTA Whole Blood | Direct Coombs Test (DCT) | SOP 1605 using the Diamed DC Screening Card System non-automated process. |
| EDTA Plasma | Serological Crossmatch | SOP 1602 using Diamed Liss/Coombs cards |
| EDTA Plasma | Emergency crossmatch | SOP 1603 using Diamed Liss/Coombs cards |
| END | | |