


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 26681 Accredited to ISO 15189:2012	East Suffolk and North Essex NHS Foundation Trust (ESNEFT)	
	Issue No: 004 Issue date: 13 February 2025	
	Address Haematology & Blood Transfusion Colchester Hospital Turner Road Colchester Essex CO4 5JL	Contacts: Dahlia Mpetsi (Haematology) Nigel Brinkley (Blood Transfusion) Tel: +44 (0)1473 704171 E-Mail: dahlia.c.mpetsi@esneft.nhs.uk nigel.brinkley@esneft.nhs.uk Website: http://www.ESNEFT.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
Address Haematology & Blood Transfusion Department Colchester Hospital Turner Road Colchester Essex CO4 5JL	Local contact Dahlia Mpetsi / Nigel Brinkley Tel: 01473 704171	Haematology Coagulation Blood Transfusion



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Site activities performed away from the locations listed above:

Location details	Activity
<p>Address</p> <p>Blood Satellite Fridge Constable Theatres Colchester Hospital Turner Road Colchester Essex CO4 5JL</p> <p>Local Contact</p> <p>Nigel Brinkley</p>	<p>Blood Issue Fridge No testing occurs on this location, blood storage only</p>
<p>Address</p> <p>Blood Satellite Fridge Maternity Theatres Colchester Hospital Turner Road Colchester Essex CO4 5JL</p> <p>Local Contact</p> <p>Nigel Brinkley</p>	<p>Blood Issue Fridge No testing occurs on this location, blood storage only</p>
<p>Address</p> <p>Blood Satellite Fridge Main Theatres Colchester Hospital Turner Road Colchester Essex CO4 5JL</p> <p>Local Contact</p> <p>Nigel Brinkley</p>	<p>Blood Issue Fridge No testing occurs on this location, blood storage only</p>
<p>Address</p> <p>Blood Satellite Fridge Jubilee Unit Clacton Hospital Tower road Clacton CO15 1LH</p> <p>Local Contact</p> <p>Nigel Brinkley</p>	<p>Blood Issue Fridge No testing occurs on this location, blood storage only</p>
<p>Address</p> <p>Blood Satellite Fridge Oaks Hospital 120 Mile End Road Colchester CO4 5XR</p> <p>Local Contact</p> <p>Nigel Brinkley</p>	<p>Blood Issue Fridge No testing occurs on this location, blood storage only</p>



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>HUMAN BODY FLUIDS</p> <p>Whole blood & cord blood: EDTA samples</p> <p>Whole blood: EDTA samples</p>	<p><u>Blood transfusion activities for the purposes of clinical diagnosis</u></p> <p>Blood group by detection and identification of antigens:</p> <p>A Rh D Positive AB Rh D Positive B Rh D Positive O Rh D Positive A Rh D Negative AB Rh D Negative B Rh D Negative O Rh D Negative K Positive/Negative Rh –C,E,c,e</p> <p>Antibody screen and identification (including papainized) by detection of antibodies to:</p> <p>Rh –C,D,E,c,e, Cw Kell –K, k, Kpa, Kpb Duffy –Fya, Fyb MNSs- M, N, S, s Kidd –Jka, Jkb Lutheran –Lua, Lub P–P1 Lewis – Lea, Leb</p>	<p>Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:</p> <p>Grifols Erytra analyser using gel cards</p> <p>BT-COL-LP-3, Routine Operation of the Grifols Erytra Analyser</p> <p>Manual technique using gel cards</p> <p>BT-COL-LP-2, Grifols Manual Testing</p> <p>Grifols Erytra analyser using gel cards</p> <p>BT-COL-LP-3, Routine Operation of the Grifols Erytra Analyser</p> <p>BT-COL-LP-6, Investigation positive Antibody Screen</p> <p>Manual technique using gel cards</p> <p>BT-COL-LP-2, Grifols Manual Testing BT-COL-GP-14, Antenatal Monitoring</p>



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HUMAN BODY FLUIDS	<u>Blood transfusion activities for the purposes of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:
Whole blood: EDTA samples	Compatibility testing of patient's plasma with donor cells and issue of red cells	Serological IAT cross matching Grifols Erytra analyser using gel card BT-COL-LP-4, Crossmatch & issue of Red Cell products including emergency O Neg BT-COL-GP-22, Major Haemorrhage Protocol BT-COL-GP-15, Major Obstetric Haemorrhage Manual method BT-COL-LP-2, Grifols Manual Testing (using gel cards)
Whole blood: EDTA samples	Fetal maternal haemorrhage	Kleihauer technique (screening only) using Guest Medical fetal red cell detection kit and anti-D immunoglobulin issue BT-COL-LP-1, Kleihauer Testing including ADT BT-COL-GP-14, Antenatal Monitoring
Whole blood: EDTA samples	Direct antiglobulin test Identification of C3d & IgG	Grifols Erytra analyser BT-COL-LP-5, Direct Antiglobulin Test using gel cards BT-COL-LP-3, Routine Operation of the Erytra



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HUMAN BODY FLUIDS	<u>Haematological examinations for the purposes of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods:
Whole blood: EDTA samples	<p>Full Blood Count (FBC) analysis of the following parameters:</p> <p>White blood cell (WBC) count Red blood cell (RBC) count Haemoglobin (HGB) Haematocrit (HCT) Mean cell volume (MCV) Mean cell haemoglobin (MCH) Mean cell haemoglobin concentration (MCHC) Red cell distribution width (RDW-CV) Platelet (PLT) count Neutrophils Lymphocytes Monocytes Eosinophils Basophils Nucleated red blood cell (NRBC) count Reticulocyte count FBC for high WBC</p>	<p>Sysmex XN 2000, XN 1000 FBC automated system.</p> <p>Principles of operation: HB measured by SLS HB method; RBC and RBC parameters by DC detection; platelet count by RC/DC detection and flow cytometry; WBC and WBC differential by flow cytometry using a semiconductor laser.</p> <p>HAEM-COL-LP-6, Use of Sysmex XN Analysers</p>
Whole blood: EDTA samples	Blood film reporting of normal and abnormal morphology	<p>Automated staining using RAL Stainer</p> <p>HAEM-COL-LP-8, Haematology Blood Film Review HAEM-COL-LP-5, Use of RAL stainer</p> <p>Manual method HAEM-COL-LP-7, MGG Manual staining of blood films (pH6.8)</p>



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HUMAN BODY FLUIDS	<u>Haematological examinations for the purposes of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:
Whole blood: EDTA samples	Detection of malarial antigens of: <i>Plasmodium falciparum</i> Pan-detection for: <i>Plasmodium malariae</i> <i>Plasmodium ovale</i> <i>Plasmodium vivax</i>	Antigen detection commercial kit: Care US Malarial Rapydtest commercial kit. HAEM-COL-LP-9, Malarial Parasite Screening
Whole blood: EDTA samples	Morphological screening for the presence of malarial parasites spp: <i>Plasmodium falciparum</i> <i>Plasmodium malariae</i> <i>Plasmodium ovale</i> <i>Plasmodium vivax</i> <i>Plasmodium knowlesi</i>	Manual slide preparation, staining and microscopy: Thin films: Giemsa pH 7.2 HAEM-COL-LP-9, Malarial Parasite Screening HAEM-COL-LP-8, Haematology Blood Film Review
Whole blood: EDTA samples	Erythrocyte sedimentation rate (ESR)	Inversa – Capillary modified Westergren method HAEM-COL-LP-13, Use of the Starrsed ST (Inversa) ESR Analyser
Whole blood: EDTA samples Serum: Clotted sample	Detection of infectious mononucleosis heterophile antibodies	Clearview IM commercial kit HAEM-COL-LP-15, Clearview IM II test for Glandular Fever, (LFT)



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HUMAN BODY FLUIDS (cont'd)	<u>Haematological examinations for the purposes of clinical diagnosis (cont'd)</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:
Whole blood: EDTA samples	Sickle cell screen (solubility)	Streck Sickledex commercial kit (Solubility) HAEM-COL-LP-18, Sickle Cell Screen
HUMAN BODY FLUIDS (cont'd)	<u>Haemostasis and thrombosis examinations for the purpose of clinical diagnosis</u>	Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:
Plasma (sodium citrate)	Coagulation testing for: Prothrombin Time (PT), International Normalised Ratio (INR) Activated Partial Thromboplastin Time (APTT) Quantitative Fibrinogen Assay D-Dimer Thrombin Time Heparin Assay DOAC Normal plasma correction Lupus anticoagulant screen	Werfen ACL TOP 550 analysers and in house procedures. HAEM-COL-LP-2, ACL TOPs routine assays using light absorbance and turbidimetric immunoassay (D-Dimer) HAEM-COL-LP-17, Anti Xa assay (Chromogenic) HAEM-COL-LP-11, Lupus Anticoagulant. DRVVT +/- Platelet neutralisation



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<p>HUMAN BODY FLUIDS (cont'd)</p> <p>Plasma (sodium citrate)</p>	<p><u>Haemostasis and thrombosis examinations for the purpose of clinical diagnosis (cont'd)</u></p> <p>Coagulation testing for:</p> <p>Von Willebrand Factor (vWF) Antigen Von Willebrand Ristocetin Cofactor Activity Factors; II, V, VII & X Factors; VIII, IX, XI & XII</p>	<p>Procedures documented in manufacturer's equipment manuals in conjunction with documented in- house procedures by the following methods:</p> <p>Instrumentation Laboratory (IL) ACL TOP 550 analysers and in house procedures.</p> <p>HAEM-COL-LP-14, vWF Antigen, Immunoturbidometric assay, and vWF Ristocetin Co Factor Activity, immunoturbidometric assay for the ACL TOP 550</p> <p>HAEM-COL-LP-19, Factor assays on the ACL TOP 550 using light absorbance technology</p>
<p>END</p>		