

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



7805

Accredited to
ISO/IEC 17043:2010

West Hertfordshire Teaching Hospitals NHS Trust, operating UK NEQAS Haematology and Transfusion

Issue No: 008 Issue date: 17 May 2024

Croxley Industrial Park
10 Millfield House,
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Proficiency Tests provided from the above address only

DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Whole blood, Red cells in Alsever's Plasma/serum	Blood Transfusion Laboratory Practice (also known as UK NEQAS BTLP): Pre-Transfusion Testing ABO/D grouping Antibody screening Antibody identification Cross-matching Red cell phenotyping	Details of the scheme are documented on the website
Red cells in Alsever's	Direct Antiglobulin Testing (DAT)	Details of the scheme are documented on the website
Whole blood, Red cells in Alsever's Plasma/serum	ABO titration determination of titre	Details of the scheme are documented on the website
Whole blood, Plasma, Cord red cells	Estimation of FMH	Details of the scheme are documented on the website
Human whole blood in CPD anticoagulant, manipulated with addition/removal of plasma, buffy coat residues and platelet concentrates, partially stabilised	General Haematology (also known as UK NEQAS Haematology): Full Blood Count: Haemoglobin concentration Total white blood cell count Red blood cell count Haematocrit Mean cell volume Mean cell haemoglobin Mean cell haemoglobin concentration Platelet count	Details of the scheme are documented on the website



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<p>Commercial whole blood material</p> <p>Instrument group specific matrices</p> <p>Human whole blood in CPD anticoagulant, buffy coat residues</p> <p>Commercial whole blood material</p> <p>Instrument specific matrices.</p> <p>Stained and occasional unstained peripheral blood films</p> <p>Unstained blood, bone marrow and urine deposit slides</p> <p>Human whole blood or red cell concentrates in CPD or EDTA anticoagulant, with added human plasma where needed</p> <p>Cord red cells in CPD anticoagulant</p> <p>Dried blood spots prepared from umbilical cord blood in EDTA anticoagulant</p>	<p>General Haematology: (cont'd)</p> <p>Automated Differential Leucocyte Count (ADLC): 3 or 5 population ADLC ($\times 10^9/L$) depending on analyser technology Performance monitored for neutrophils and lymphocytes only</p> <p>Reticulocyte count: Absolute reticulocyte count ($\times 10^9/L$) by automated or microscopic methods</p> <p>Blood films for morphology, manual differential count and blood parasite Identification: Identification of significant morphological features Microscopic white cell differential Screening and identification of blood parasites, parasitaemia % where relevant</p> <p>Cytochemistry: Perls iron stain</p> <p>Abnormal Haemoglobins: Emergency sickle screening Hb variant identification in adult whole blood or simulated liquid newborn capillary blood specimens Hb A2 % Hb F % Hb S %</p> <p>Interpretation of results</p> <p>Newborn sickle screening: Hb variant identification Interpretation of results</p>	<p>Details of the scheme are documented on the website</p>



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<p>Human whole blood or red cell concentrates in CPD anticoagulant, with added human plasma where needed</p> <p>Human and commercially sourced ovine whole blood, defibrinated.</p> <p>Human plasma in CPD anticoagulant with added glycerol</p> <p>DNA in TE buffer</p> <p>Haemolysate of human whole blood with added recombinant malaria antigen</p> <p>Human whole blood in CPD anticoagulant, manipulated by the removal/addition of plasma as required</p> <p>Stabilised platelet concentrates in CPD anticoagulant</p> <p>Commercial whole blood material</p>	<p>General Haematology: (cont'd)</p> <p>Red cell enzymes (glucose-6-phosphate dehydrogenase)</p> <p>G6PD activity by screening and/or quantitative assay.</p> <p>Plasma viscosity</p> <p>DNA diagnostics for the Haemoglobinopathies: Alpha and beta globin mutational analysis. Interpretation and recommendations for clinical action Annotation using recommended nomenclature</p> <p>Rapid Diagnostic Tests for Malaria: Presence of malaria / identification of malaria species, as appropriate to the kit used.</p> <p>Blood Component Quality Monitoring: Haemoglobin concentration Haematocrit Platelet count</p> <p>Erythrocyte Sedimentation Rate (ESR): ESR in mm/hr testing (with the exception of testing using the capillary photometry measurement principle)</p>	<p>Details of the scheme are documented on the website</p>



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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Latex particle samples	ESR in mm/hr for testing using the capillary photometry measurement principle	
Liquid Plasma	Infectious Mononucleosis: Heterophile Antibodies	
END		