### **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: 010 Issue date: 11 November 2024

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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
	Blood Transfusion Laboratory Practice (also known as UK NEQAS BTLP):	Details of the scheme are documented on the website
Whole blood, Red cells in Alsever's Plasma/serum	Pre-Transfusion Testing ABO/D grouping Antibody screening Antibody identification Cross-matching Red cell phenotyping	
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
	General Haematology (also known as UK NEQAS Haematology):	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	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	



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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
	General Haematology: (cont'd)	
Commercial whole blood material	Automated Differential Leucocyte	Details of the scheme are documented on the website
Instrument group specific matrices	Count (ADLC): 3 or 5 population ADLC (x10 <sup>9</sup> /L) depending on analyser technology Performance monitored for neutrophils and lymphocytes only	
Human whole blood in CPD anticoagulant, buffy coat residues Commercial whole blood material Instrument specific matrices.	Reticulocyte count: Absolute reticulocyte count (x10 <sup>9</sup> /L) by automated or microscopic methods	
Stained and occasional unstained peripheral blood films	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	
Unstained blood, bone marrow and urine deposit slides	Cytochemistry: Perls iron stain	
Human whole blood or red cell concentrates in CPD or EDTA anticoagulant, with added human plasma where needed Cord red cells in CPD anticoagulant	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 % Interpretation of results	
Dried blood spots prepared from umbilical cord blood in EDTA anticoagulant	Newborn sickle screening: Hb variant identification Interpretation of results	



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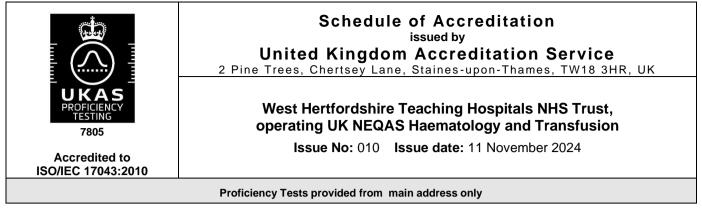
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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
	General Haematology: (cont'd)	
Human whole blood or red cell concentrates in CPD anticoagulant, with added human plasma where needed	Red cell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



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	