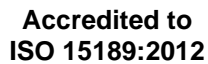


issued by

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



Issue No: 012 Issue date: 19 April 2024

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Testing performed at the above address only

[illegible]



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Nuffield Health

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	<u>Biochemistry examination activities (cont'd)</u>	<u>In house documented methods</u>
Serum (cont'd)	<u>Biochemistry (cont'd)</u> Albumin Alkaline Phosphatase ALT Amylase AST Calcium Cholesterol CPK CRP Creatinine Gamma GT Gentamicin Glucose Iron LDH Magnesium Phosphate Total Bilirubin Total Protein Triglycerides Urea Uric acid High Density Lipoprotein (HDL)	ORTHO VITROS XT 7600 Dry slide technique detected by reflectometry, CM/RT and IR slides. SOP-PH-LAB-CHEM-13 SOP-PH-LAB-CHEM-20
Serum	Haematinics B12 Ferritin	Ortho VITROS XT 7600 Chemi iluminescence SOP-PH-LAB-CHEM-13 SOP-PH-LAB-CHEM-21
Serum	Total Iron Binding Capacity (TIBC)	Slide reflectometry SOP PH-LAB-CHEM-13 SOP-PH-LAB-CHEM-21
Serum	Rheumatoid Factor (RhF)	Ortho Vitros 5600 Microtip Method SOP PH-LAB-CHEM-13 SOP-PH-LAB-CHEM-20
Serum	Calculated Results Globulin	SOP PH-LAB-CHEM-13 By Calculation
Serum	Low Density Lipoprotein (LDL)	By Friedwold Calculation



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HUMAN BODY FLUIDS (cont'd)	<u>Haematology examination activities for the purpose of clinical diagnosis</u>	In house documented methods incorporating manufacturers' instructions as required
Anticoagulated venous blood	<u>Haematology</u> Blood Film: Detection of normal and abnormal morphologies and white blood cell differential	Thin film slide preparation and automated Modified Wright's stain using Hematek and examination by light microscopy SOP-PH-LAB-HAEM-11 SOP-PH-LAB-HAEM-19
Anticoagulated venous blood	Full blood counts and automated differential: Haemoglobin (Hb) Total white cell count (WBC) Red cell count (RBC) Platelet count MCV MCH MCHC NRBC Neutrophils Lymphocytes Monocytes Eosinophils Basophils Haematocrit Differential white cell count	Sysmex XN1000 Fluorescence flow cytometry, electrical impedance, SLS-haemoglobin method, RBC pulse height detection method, sheath flow direct current (DC) detection method and calculated red cell parameters. SOP-PH-LAB-HAEM-17
Anticoagulated venous blood	ESR	Vescube 30 Touch Visual interface SOP-PH-LAB-HAEM-01
Anticoagulated venous blood, plasma	<u>Coagulation</u> PT APTT D-Dimer Fibrinogen	Sysmex CS2000i Clot detection by optical rate of change of absorbance end point being the maximum rate of change.



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	<u>Blood transfusion examination activities for the purpose of clinical diagnosis</u> <u>Blood Transfusion</u>	In house documented methods incorporating manufacturers' instructions as required
Anticoagulated venous blood, plasma	Blood Group and phenotype ABO: A, B Rhesus: C, c, D, E, e, Kell system: K, k,	<u>Automated</u> BIORAD IH500 and using BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-45 <u>Manual</u> BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-2
Anticoagulated venous blood, plasma	Antibody Screen and Investigation Rhesus:, anti-C, anti-c, anti-D, anti-E, anti-e. Kell system:anti-K,	<u>Automated</u> BIORAD IH500 and using BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-41 SOP-PH-LAB-BT-43 SOP-PH-LAB-BT-45 <u>Manual</u> BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-4 SOP-PH-LAB-BT-78
Anticoagulated venous blood, plasma	Compatibility Testing Serological Crossmatch - serological compatibility testing between donor red cell antigens and patient plasma.	<u>Automated</u> BIORAD IH500 and using BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-42 <u>Manual</u> BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-5



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd) Anticoagulated venous blood	<u>Blood transfusion examination activities for the purpose of clinical diagnosis</u> (cont'd) <u>Blood Transfusion</u> (cont'd) Direct Antiglobulin Test (DAT, Direct Coombs Test, Direct Anti-human Globulin Test)	In house documented methods incorporating manufacturers' instructions as required <u>Automated</u> BIORAD IH500 and using BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-41 SOP-PH-LAB-BT-44 <u>Manual</u> BIORAD ID-System gel cassette cards. SOP-PH-LAB-BT-16
END		