Schedule of Accreditation

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United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

Kernel Diagnostics Laboratories Ltd.

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS	Biochemistry examination activities:	Documented In-house Standard Operating Procedures (SOP-046-GENERAL-CHEM (C311)) using the Roche Cobas c311 instrument and manufacturer's instructions:
Serum	Albumin	Photometric activity
Serum	Alkaline phosphatase (ALP)	Colorimetric assay
Serum	Alanine transaminase (ALT)	Catalytic activity
Serum	Amylase	Enzymatic colorimetric assay
Serum	Anti-streptolysin o titre	Enzymatic colorimetric assay
Serum	Aspartate aminotransferase (AST)	Catalytic activity
Serum	Bicarbonate	Enzymatic activity
Serum	C-reactive protein	Immunoturbidimetric assay
Serum	Calcium	Photometric activity
Serum	Cholesterol enzymatic	Colorimetric activity
Serum	Chloride	ISE indirect assay
Serum	Creatinine kinase	Enzymatic activity
Serum	Creatinine	Colorimetric assay
Serum	Glucose	Enzymatic photometric activity
Serum	Gamma-glutamyl transferase (GGT)	Enzymatic colorimetric assay
Serum	High-density lipoprotein cholesterol	Homogeneous enzymatic colorimetric test

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities (cont'd):	Documented In-house Standard Operating Procedures (SOPs) using the Roche Cobas c311 clinical chemistry analyser and manufacturer's instructions:
Serum	Iron	Colorimetric assay
Serum	Lipase	Immunoturbidimetric assay
Serum	Magnesium	Photometric activity
Serum	Lactate dehydrogenase (LDH)	Enzymatic activity
Serum	Direct bilirubin (DBIL)	Diazotization method
Serum	Total bilirubin (TBIL)	Colorimetric diazo method
Serum	Unsaturated iron binding capacity (UIBC)	Photometric activity
Serum	Urea	Kinetic test
Serum	Uric acid	Colorimetric assay
Serum	Phosphorus	Photometric activity
Serum	Potassium	ISE indirect assay
Serum	Triglycerides	Enzymatic photometric activity
Serum	Total protein	Photometric activity
Serum	Sodium	ISE indirect assay
Serum	Low-density lipoprotein cholesterol	Enzymatic colorimetric assay

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HUMAN BODY FLUIDS (cont'd)	Biochemistry examination activities (cont'd):	Documented In-house Standard Operating Procedures (SOP-038-GENERAL-CLIA (E411)) using the Roche Cobas e411 immunoassay analyser and manufacturer's instructions:
Serum	Anti-thyroglobulin antibodies	ECLIA
Serum	Anti-thyroid peroxidase	ECLIA
Serum	C-peptide	ECLIA
Serum	Cortisol	ECLIA
Serum	DHEA-S	ECLIA
Serum	Ferritin	ECLIA
Serum	Follicle-stimulating hormone (FSH)	ECLIA
Serum	Folate	ECLIA
Serum	FT3	ECLIA
Serum	FT4	ECLIA
Serum	Human chorionic gonadotrophin (hCG)	ECLIA
Serum	Insulin	ECLIA
Serum	Luteinising hormone (LH)	ECLIA
Serum	Oestradiol (E2)	ECLIA
Serum	Parathyroid hormone	ECLIA
Serum	Free Prostate Surface Antigen	ECLIA
Serum	Total Prostate Surface Antigen	ECLIA
Serum	Progesterone	ECLIA
Serum	Prolactin	ECLIA
Serum	Sex hormone binding globulin (SHBG)	ECLIA

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</u> (cont'd):	Documented In-house Standard Operating Procedures (SOP-038-GENERAL-CLIA (E411)) using the Roche Cobas e411 immunoassay analyser and manufacturer's instructions:
Serum	T3	ECLIA
Serum	T4	ECLIA
Serum	Testosterone	ECLIA
Serum	Thyroid Stimulating Hormone	ECLIA
Serum	Vitamin B12	ECLIA
Serum	Vitamin D	ECLIA
	<u>Haematology examination activities</u>	Documented In-house Standard Operating Procedures, and manufacturer instructions:
Whole blood	Full blood count: • White Blood Cells (WBC) • Red Blood Cells (RBC) • Platelets (PLT) • Haematocrit (HCT) • Haemoglobin (HGB) • White Blood Cell (WBC)	Laser scatter using the Dymind UN73 SOP-088-HEMA-ANA
Whole blood	• Mean Corpuscular Volume (MCV) • Mean Corpuscular Haemoglobin (MCH) • Mean Corpuscular Haemoglobin Concentration (MCHC) • Red Cell Distribution Width (RDW)	Dymind UN73 SOP-088-HEMA-ANA
END		