Schedule of Accreditation

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United Kingdom Accreditation Service

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

UKAS MEDICAL **8432** **Accredited to ISO 15189:2022**	**LABex Analytics LLP** **Issue No:** 033 **Issue date:** 22 January 2026	
	LABex Analytics LLP **1 Mabledon Place** **London** **WC1H 9AX**	**Contact: Richard Scott** **Tel: +44 (0) 20 7307 7342** **E-Mail: Richard.scott@tdlpathology.com** **Website: www.tdlpathology.com**
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		**Activity**	**Location code**
Address	**Local contact**		
Department of Blood Sciences / Microbiology London North West Healthcare NHS Trust Northwick Park Hospital Watford Road Harrow HA1 3UJ	Richard Scott	General Microbiology Virology Biochemistry Haematology Blood Transfusion	A
Department of Cellular Pathology London North West Healthcare NHS Trust St Marks Hospital (Northwick Park Campus) Watford Road Harrow HA1 3UJ	Richard Scott	Histology Cytology (gynae & non-gynae)	B
Department of Blood Sciences Central Middlesex Hospital Acton Lane Park Royal NW10 7NS	Richard Scott	Virology Biochemistry Haematology Blood Transfusion	C
Pathology Laboratory Ealing Hospital Uxbridge Road Southall Middlesex UB1 3HW	Richard Scott	Biochemistry Haematology Blood Transfusion Serology Histology	D

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Blood Fridge Main Theatre Block Northwick Park Hospital Watford Road Harrow HA1 3UJ	Blood issue fridge for storage of blood products only; no testing occurs at this site	E
Blood Fridge Maternity Block Level 4 Room 4N144 Northwick Park Hospital Watford Road Harrow HA1 3UJ	Blood issue fridge for storage of blood products only; no testing occurs at this site	F
Blood Fridge CHG Hendon Hospital 46/50 Sunny Gardens Rd London NW4 1RP	Blood issue fridge for storage of blood products only; no testing occurs at this site	G
Blood Fridge CHG Cavell Hospital Cavell Drive Upland Park Road Enfield EN2 7PR	Blood issue fridge for storage of blood products only; no testing occurs at this site	H
Blood Fridge CHG The Chiltern Hospital London Road Great Missenden Buckinghamshire HP16 0EN	Blood issue fridge for storage of blood products only; no testing occurs at this site	I
Blood Fridge CHG Princess Margaret Hospital Osborne Road Windsor Berkshire SL4 3SJ	Blood issue fridge for storage of blood products only; no testing occurs at this site	J

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Location details	Activity	Location code
Blood Fridge CHG Kings Oak Hospital Chase Farm Ridge Way Enfield EN2 8SD	Blood issue fridge for storage of blood products only; no testing occurs at this site	K
Blood Fridge CHG The Bishopswood Hospital Rickmansworth Road Northwood Middlesex HA6 2JW	Blood issue fridge for storage of blood products only; no testing occurs at this site	L
Blood Fridge CHG Mount Alvernia 46 Harvey Road Guildford GU1 3LX	Blood issue fridge for storage of blood products only; no testing occurs at this site	M
Blood Fridge CHG Clementine Churchill Hospital Sudbury Hill Harrow Middlesex HA1 3RX	Blood issue fridge for storage of blood products only; no testing occurs at this site	N

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Microbiology		
	General Bacteriology		
HUMAN BODY SAMPLES	Examination activities for the purposes of clinical diagnosis	In-house documented procedures as referenced and based on PHE SMIs	
Specimens from wounds, eyes, ears, nose, throat, mouth, pus, tissue, joint fluids, CSF, valves, sputum, bronchial washings, bronchial lavage, genitalia, cannulae, shunts, CSF	General isolation of micro-organisms of clinical significance	Culture onto selected media for manual and automated inoculation of samples onto culture media using BD Kiestra MIC-NWP6-82	A
Bacterial cultures isolated in-house	General identification of micro-organisms of clinical significance	General biochemical methods MIC-NWP6-82	A
Bacterial and yeast cultures isolated in-house	General identification of micro-organisms of clinical significance	Matrix Assisted Laser Desorption Ionisation ToF using Bruker MALDI MIC-NWP5-48	A
Bacterial cultures isolated in-house	Antimicrobial susceptibility testing	Manual disc diffusing with antimicrobial discs using EUCAST guidelines MIC-NWP6-118	A
		Automated using BD Phoenix AP and M50 systems with EUCAST guidelines MIC-NWP6-130	A
Bacterial cultures isolated in-house	Antimicrobial susceptibility testing determination of minimum inhibitory concentration (MIC)	Gradient MIC using E-Tests and MIC Evaluators	A
Blood	Detection of microbial growth and general isolation of micro-organisms of clinical significance	Fluorescence detection using Bactec FX followed by isolation onto selected media MIC-NWP6-49	A & D
		Positive bottles from Location D are transferred to Location A for culture	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Microbiology (cont'd)		
	General Bacteriology (cont'd)		
HUMAN BODY SAMPLES (cont'd)	Examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures as referenced and based on PHE SMIs	
Blood, fluids and respiratory samples	Detection and isolation of Mycobacterium sp.	Fluorescence detection using BD MGit 960 (automated) and culture on Lowenstein-Jensen slopes manual) MIC-NWP6-49	A
Blood, fluids and respiratory samples	Detection of acid fast bacilli	Manual staining using Auramine Phenol and Ziehl Neelsen stains and microscopy MIC-NWP6-64	A
CSF and joint fluids	Quantification of white and red blood cells and qualitative demonstration of bacteria	Manual microscopy MIC-NWP6-57	A
Faeces	General isolation and characterisation of Salmonella, Shigella, Campylobacter & E. coli 0157, Vibrio sp., Listeria sp. and Yersinia sp.	Manual and automated culture using BD Kiestra and selective culture media MIC-NWP6-3	A
Faeces	Detection of *Clostridium difficile* GDH antigen and toxins A & B	Immunochromatography using Quik Chek Complete MIC-NWP6-118	A
Faeces	Detection of Helicobacter pylori antigen	ELISA using Premier Platinum Plus HpSA and DS2 analyser MIC-NWP6-119	A
Faeces	Detection of Rotavirus antigen	Immunochromatography using Immunocard Stat Rotavirus MIC-NWP6-71	A
Urine	Quantification of white and red blood cells, and qualitative demonstration of bacteria, epithelial cells, yeast cells and casts	Manual microscopy and Sedimax automated analyser MIC-NWP6-85, MIC-NWP6-87	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Microbiology (cont'd)		
	General Bacteriology (cont'd)		
HUMAN BODY SAMPLES (cont'd)	Examination activities for the purposes of clinical diagnosis (cont'd)	In-house documented procedures as referenced and based on PHE SMIs with manufacturers instructions	
Urine	General isolation and characterisation of micro-organisms of clinical significance	Culture onto selected media using manual and automated culture using BD Kiestra MIC-NWP6-85	A
Urine	Detection of *Legionella pneumophila* serotype 1 antigen	Immunochromatography using Binax NOW rapid card MIC-NWP6-120	A
	Detection of *Streptococcus pneumoniae*	Immunochromatography using Binax NOW rapid card MIC-NWP6-120	A
	Parasitology		
	Examination activities for the purposes of clinical diagnosis	In-house documented procedures based on PHE SMIs	
Faeces, rectal swabs, sputum, urine & aspirates	Examination for the presence of parasites (ova, cysts, trophozoites and worms) of clinical significance	Concentration using MIDI Parasep SF and manual microscopy or by direct microscopy MIC-NWP6-110	A
Clear adhesive tape slides	Enterobius sp	Direct microscopy MIC-NWP6-110	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Microbiology (cont'd)		
HUMAN BODY SAMPLES (cont'd)	Mycology		
	Examination activities for the purposes of clinical diagnosis		
Skin, hair and nail	General isolation and characterisation of fungi of human clinical significance	Manual culture onto selective culture media and microscopic / macroscopic identification MIC-NWP6-79	A
Yeast cultures isolated in-house	Susceptibility testing	Using Sensititre Yeastone MIC-NWP6-122	A
CSF, blood	Detection of Cryptococcal antigen	Lateral flow using IMMY kit MIC-NWP6-51	A
HUMAN BODY SAMPLES	Molecular Biology		
	Examination activities for the purposes of clinical diagnosis	In house documented procedures based on and in conjunction with manufacturers instructions	
Sputum	Detection of Mycobacterium tuberculosis complex and genes encoding for rifampicin resistance	PCR using Cepheid GeneXpert MIC-NWP6-47	A
Throat, nasal and nasopharyngeal swabs, nasopharyngeal aspirate (NPA) and NPA in universal transport medium	Detection of SARS-CoV-2, Influenza A, Influenza B & Respiratory Syncytial Virus (RSV)	PCR using Xpert Xpress CoV-2/Flu/RSV and Cepheid GeneXpert MIC-NWP6-52 & MIC-NWP6-124	A
Nasal and nasopharyngeal swabs	Detection of SARS-CoV-2, Influenza A, Influenza B & Respiratory Syncytial Virus (RSV)	PCR using Xpert Xpress CoV-2/Flu/RSV and Cepheid GeneXpert MIC-NWP6-52 & MIC-NWP6-124	D
Bacterial cultures isolated in-house	Detection of genes coding for NDM, VIM, OXA-48, IMP & KPC Carbapenemase production	PCR using Cepheid Expert Carba-R assay and GeneXpert MIC-NWP6-134	A
Faeces	Detection of Salmonella sp., Shigella sp., Campylobacter sp., Cryptosporidium sp., Giardia lamblia & Shiga-like-producing E. coli (STEC) DNA	EntericBio Gastro Panel 2 assay, EntericBio Heatstation & Workstation followed by PCR using Lightcycler 480 II MIC-NWP6-135	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY SAMPLES (cont'd)	**Molecular Biology** (cont'd)		
CSF	<u>Detection of nucleic acids for:</u> Escherichia coli K1 Haemophilus influenzae Listeria monocytogenes Neisseria meningitidis Streptococcus agalactiae Streptococcus pneumoniae Mycoplasma pneumoniae* Streptococcus pyogenes* Enterovirus Herpes simplex virus 1 (HSV-1) Herpes simplex virus 2 (HSV-2) Human herpesvirus 6 (HHV-6) Human Parechovirus Varicella zoster virus (VZV) Cryptococcus neoformans/gattii)	MIC-NWP6-142 Qiagen QIAstat-Dx Meningitis/Encephalitis (ME) Panel	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	<u>Viral Serology</u>	Documented in-housed methods to meet the requirements of the of Infectious Diseases in Pregnancy Screening programme as defined in the 'Infectious Diseases in Pregnancy Screening Programme: laboratory QA evidence requirements' (relevant targets marked with *)	A, C, D
Serum / Plasma unless otherwise stated	Examination activities for the purposes of clinical diagnosis. Detection of:	In house documented procedures based on and in conjunction with manufacturers instructions	
	Hepatitis A IgM & IgG total	Immunoassay using Roche Cobas 8000 (Location A), Roche Cobas Pro (Location C) and Cobas Pro (Location D) BIO-NWP5-50, BIO-EAL3-24	A
	Hepatitis B core IgM, core total antibody, e antigen, e antibody		A, C
	Hepatitis B surface antigen, Hepatitis B surface antibody and Core antibody		A & C
	Hepatitis B surface antigen*		C, D
	Hepatitis C antibody		A, C & D
	Detection of HIV 1 & 2 antibody and p24 antigen*		A, C & D
	Rubella IgG antibody		A
	Syphilis antibody*		A, C & D
	Syphilis antibody*	Manual agglutination using NewBio TPHA BIO-NWPS-52	A
	Syphilis antibody	Floculation test using Fortress RPR BIO-NWPS-52	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	<u>Cytopathology (Non-Gynae)</u>		
		In house documented procedures based on and in conjunction with manufacturers instructions	
FNAs, needle washings, fluids, urine, sputum, BAL	Examination of cellular material in order to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	Processing, Staining and reporting of Diagnostic Specimens using documented in-house procedures with reference to the following procedures and equipment CYT-NWP4-3	B
		CYT-NWP4-50 Centrifuge (Hettich Rotina 380) CYT-NWP4-8 Cytocentrifuge (Thermo Shandon 4) CYT-NWP4-19 ThinPrep 2000 processor CYT-NWP4-52 ThinPrep 5000 processor	
		Cell Block & Clot-processing of Cytology specimens CYT-NWP4-60	B
		Interpretive/diagnostic microscopy (qualitative analysis) HIS-NWP4-2	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Andrology Andrological examination activities for the purposes of clinical diagnosis		
Semen, Semen on Leja slides,	Post-Vasectomy: Detection of Sperm	Based on 2016 Laboratory guidelines for post vasectomy semen analysis: Association of Biomedical Andrologists, the British Andrology Society and the British Association of Urological Surgeons Manual method using wet prep and centrifugation/manual microscopy, and documented in-house procedure and documented in-house procedure CYT-NWP4-58	
Semen, Semen on Leja slides,	Fertility Testing:	Based on WHO laboratory manual for the examination and processing of human semen (Sixth edition 2021) Manual methods and documented in house procedures	B
	Volume and pH	CYT-NWP4-	
	Sperm motility	CYT-NWP4-	
	Detection of IgA & IgG antibodies	Direct MAR Test CYT-NWP4-51	
	Sperm concentration	Manual microscopy CYT-NWP4-44	
	Sperm morphology including TZI scoring	Manual microscopy CYT-NWP4-44	
	Extended fertility examination		
	Sperm vitality	Eosin/Nigrosin-stained slide microscopy (Bright field) CYT-NWP4-44	
Semen	Fructose (seliwanoff's)	Seliwanoffs method CYT-NWP4-45	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Routine Histopathology		
Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	Macroscopic and Microscopic examination. In house documented procedures in conjunction with equipment as specified below:	
Formalin fixed tissues samples (as above)		Specimen dissection Using manual methods HIS-NWP4-5Assisting in Consultant Led Specimen Dissection HIS-NWP4-20 Procedure for Specimen Transfer HIS-NWP4-24 Performing BMS specimen dissection HIS-NWP4-EXT-3 Pathologist SOP	B & D
		Decalcification HIS-NWP4-45	B & D
Formalin fixed tissues samples (as above)		Tissue Processing Leica Peloris II, Peloris III and Sakura Tissue Tek VIP6 tissue processors tissue processor HIS-NWP4-7	B
Formalin fixed and processed tissues samples (as above)		Tissue embedding Leica EG1150 H embedding stations HIS-NWP4-8	B
Formalin fixed and embedded tissues samples (as above)		Tissue sectioning (microtomy) Leica Histocut microtomes HIS-NWP4-9	B
Fresh tissue samples – frozen section		Frozen Sections Leica CM1860 Cryostat HIS-NWP4-6	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Routine Histopathology (cont'd)		
Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens (cont'd)	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	In house documented procedures in conjunction with equipment as specified below:	
	Routine and Special Staining		
Formalin fixed slides	Identification of basophilic and eosinophilic structures	Documented in-house procedure for staining using Gemini AS Automated Stainer HIS-NWP4-10 HIS-NWP4-24	B
Formalin fixed slides	Detection of:	Documented in-house procedure for staining using Sakura Tissue Tek Prisma Autostainer and Coverslipper (automated) and by manual method HIS-NWP4-10 HIS-NWP4-24	B
	Identification of basophilic and eosinophilic structures	Haemotoxylin & Eosin	
	Gycogen & mucins	Periodic Acid Schiffs (PAS)	
	Mucins & neutral mucins	Alcian Blue Diastase PAS	
	Mucins	Alcian Blue PAS	
	Glycogen	PAS Diastase	
	Special Staining	Documented in-house procedure for manual staining	
	Detection of:	HIS-NWP4-24	
	Glycogen	Alcian Blue	
	Glycogen	Alcian Blue PAS	
	Glycogen	Alcian Blue PAS Diastase	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Routine Histopathology (cont'd)		
Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	In house documented procedures in conjunction with equipment as specified below:	
Formalin fixed slides	Routine and Special Staining Detection of:	Documented in-house procedure for staining using Sakura Tissue Tek Prisma Autostainer and Coverslipper (automated) and by manual method HIS-NWP4-10 HIS-NWP4-24	B
	Mast cells and mucopolysaccharides	Azure A	
	Amyloid	Congo red	
	Haemopoetic cells	Giemsa	
	Helicobacter pylori	Giemsa	
	Reticulin	Gordons & Sweets Reticulin	
	Fungi	Grocott	
	Gram positive / negative bacteria	Gram stain	
	Collagen / smooth muscle	Haematoxylin Van Geison	
	Melanin pigment	Masson Fontana	
	Connective tissue	Masson Trichrome	
	Connective tissue	Melanin Bleach	
	Elastic fibres	Millers Elastic	
	Glycogen	PAS +/- Diastase Digestion	
	Iron (Haemosiderin)	Perls	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Routine Histopathology (cont'd)		
Fixed, fresh and frozen tissue; excisional and incisional biopsies and surgical resection specimens	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	In house documented procedures in conjunction with equipment as specified below:	
Formalin fixed slides	Routine and Special Staining	Documented in-house procedure for staining using Sakura Tissue Tek Prisma Autostainer and Coverslipper (automated) and by manual method HIS-NWP4-10 HIS-NWP4-24	B
	Detection of:		
	Copper associated protein Calcium	Victoria Blue Von Kossa	
	Tubercle bacilli	Ziehl Neelsen	
	Mycobacterium leprae	Wade Fite	
	Special Staining	Documented in-house procedure for staining using Dako Artisan Link Pro and prisma integrated coverslipper SOP: HIS-NWP4-24	B
	Detection of: ABPASD Reticulin Perl's Grocott MT		

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Immunocytochemistry		
Paraffin breast tissue section	Over expression of the Her2 protein (NEU) in breast cancer specimens.	UltraView Univeral DAB Detection Kit and Roche Ventana BenchMark Ultra HIS-NWP4-2	B
Formalin fixed paraffin embedded tissue	Identification of carcinoma of papillary and follicular types	Thyroglobulin antibody immunohistochemistry using Roche Ventana Benchmark Ultra HIS-NWP4-25	B
Paraffin tissue section	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis	In-house procedures in conjunction with manufacturers instructions using Leica Bond III and the following antibodies: HIS-NWP4-25	B
	Cytokeratin cocktail for CK1-8, 10, 14-16 and 19	AE1/AE3	
	Diffuse lymph-proliferative disease and neoplastic cells of follicular lymphomas.	BCl-2	
	Prognostic marker in some B-cell Non-Hodgkins lymphomas.	BCL-6	
	Epithelial cell types	Ber-EP4	
	Normal cortical thymocytes, Langerhan cells, dendritic reticulum cells	CD1A	
	T cells	CD3	
	T cells (helper+mature)	CD4	
	Mature T cells, T cell lymphomas	CD5	
	T cells	CD8	
	Mature B cells, follicular dentritic cells, CALLA	CD10	
	Granulocytes, Reed-Sternberg cells	CD15 – IVD RTU Antibodies	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Immunocytochemistry (cont'd)		
Paraffin tissue section	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	In-house procedure with pre-fixed Q Cards as stated) in conjunction with manufacturers instructions using Leica Bond III and the following antibodies: HIS-NWP4-25	B
	B cells	CD20	
	Adenocarcinoma of intestinal origin	CDX2	
	Mature B cells, Follicular dentritic cells	CD21	
	B cells, some T cells	CD23	
	Reed-Sternberg cells, plasma cells	CD-30	
	Endothelial cells	CD31	
	Haematopoetic cells, vascular endothelium	CD34	
	Leukocyte common antigen (LCA)	CD45	
	Natural killer cells, neuroendocrine tissues	CD56	
	Macrophages, monocytes, myeloid cells	CD68	
	B cells	CD79a	
	Mast cells	CD117	
	Differentiating B cells	CD138	
	Tissues of neuroendocrine origin	Chromogranin A	
	Cytokeratin 5	CK5	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Paraffin tissue section (cont'd)	Immunocytochemistry (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	In-house procedure with pre-fixed Q Cards as stated) in conjunction with manufacturers instructions using Leica Bond III and the following antibodies: HIS-NWP4-25	B
	Stratified squamous epithelium, basal cells, mesotheliomas	CK5/6	
	Normal and neoplastic epithelia	CK7	
	Epithelial cells	CK14	
	Cytokeratin 5	CK19	
	Adenocarcinomas, columnar epithelial cells	CK20	
	CMV	CMV	
	Tumours	CYC-D1	
	Normal duct epithelial cells, ductal carcinoma	E-cad	
	Normal and neoplastic epithelium	EMA	
	Oestrogen receptors	ER	
	Placental trophoblasts	HCG	
	Melanoma, melanocyte differentiation	Hmb45	
	B cells and plasma cells	Kappa	
	B cell follicles	Lambda	
	Melanoma marker	Melan A	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Paraffin tissue section (cont'd)	Immunocytochemistry (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd) Differential identification of colorectal carcinoma MNF116 Mismatch repair protein Mismatch repair protein Myosin Peripheral nerves, neuroendocrine tumours Postmeitotic segregation increased 2 Progesterone receptors Prostate basal cells, profliferative cells Prostate secretory and ductal epithelium Schwann cells, nerve processes, S100 +ve neoplasms Smooth muscle cells, myoepithelial cells Tumour suppressor protein, Ca marker	In-house procedure with pre-fixed Q Cards as stated) in conjunction with manufacturers instructions using Leica Bond III and the following antibodies: HIS-NWP4-25 MLH1 – IVD RTU Antibodies MNF116 MSH2 – IVD RTU Antibodies MSH6 Myosin NSE pms2 – IVD RTU Antibodies pgr P63 PSA S100 SMA P16	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Immunocytochemistry (cont'd)		
Paraffin tissue section (cont'd)	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	In-house procedure with pre-fixed Q Cards as stated) in conjunction with manufacturers instructions using Leica Bond III and the following antibodies: HIS-NWP4-25	B
	Neuroendocrine cells	Synaptophysin	
	Lining blood vessels, lymphatic vessels, mesothelial cells	Thromobomodulin	
	Lung and thyroid (thyroid follicular cells)	TTF1	
	Cells of mesenchymal origin	Vim	
	Breast carcinoma	Her 2 (TDL-NWLH-HP-025)	
	Endometrial glands, ovarian tumours, adenocarcinoma	CA-125	
	Epithelial cells, Adenocarcinoma	CA 19-9	
	Basal or progenitor cell layer of stratified epithelia, basal cells of prostate, myoepithelial cells of breast and salivary glands, and cytotrophoblasts in placenta.	P40	
	Germ cell tumours including seminoma/dysgerminoma/germinoma and embryonal carcinoma.	OCT3/4	
	Gastrointestinal Stromal Tumours (GIST)	DOG1	
	Glandular epithelial cells. Adenocarcinomas of colon, rectum, stomach, pancreas, lung, ovary and squamous cell carcinomas of esophagus, larynx, lung, tongue, skin and cervix. Infiltrating ductal carcinoma of breast	Beta-Catenin antibodies	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Immunocytochemistry (cont'd)		
Paraffin tissue section (cont'd)	Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)	In-house procedure with pre-fixed Q Cards as stated) in conjunction with manufacturers instructions using Leica Bond III and the following antibodies: HIS-NWP4-25	B
	Smooth muscle. Leiomyosarcomas.	Calponin	
	Apocrine epithelia of skin and breast. Breast tumours	GCDFP-15	
	Cytoplasm of pneumocytes and alveolar macrophages of lung and renal tubules	Napsin A	
	Tumour suppressor protein. Mucosal crypts and lymphatic aggregates of bowel, basal epithelial cells and germinal centres of tonsil	P53	
	Nuclear staining of epithelial and smooth muscle cells. Wilms tumour, malignant mesotheliomas	WT-1	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Immunocytochemistry (cont'd) Examination of tissues to identify or exclude morphological and cytological abnormalities for the purposes of diagnosis (cont'd)		
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides stained on-site		Interpretive/diagnostic microscopy HIS-EAL3-15	B
FFPE slides (Formalin fixed paraffin embedded) tissue on glass slides stained at an external source		Interpretive/diagnostic microscopy HIS-EAL3-15	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology		
HUMAN BODY FLUIDS	Haematology examination activities for the purposes of clinical diagnosis:	In house documented procedures based on equipment manuals and standard methods as specified below:	
EDTA Blood	Full Blood Count: White Blood Cells (WBC) Red Blood Cells (RBC) Haemoglobin (HGB) Haematocrit (HCT) Mean Cell Volume (MCV)	Using Sysmex XN-10 & XN-20 modules within the Sysmex XN9100 system plus TS-10 tube sorter HAE-NWP5-43, HAE-NWP5-49, HAE-NWP5-48	A
	Mean Cell Haemoglobin (MCH) Mean Cell Haemoglobin Concentration (MCHC) Platelets (PLT)	Using Sysmex XN-10 & XN-20 modules within the Sysmex XN2000 system HAE-NMP5-43	C
	Red Cell Distribution (RDW) Neutrophils (NEUT) Lymphocytes (LYMP) Monocytes (MONO) Eosinophils (EO) Basophils (BASO) Nucleated Red Blood Cells (NRBC) Reticulocytes (RET)	Using Sysmex 3100 system including XN10 & XN20 modules HAE-NWP5-43	D
EDTA Blood	Blood film assessment & cell differential	May-Grunwald & Giemsa stains using:	
		Sysmex SP-50 & Hematak staining machines or manual hand staining and microscopy HAE-EAL3-30, HAE-NWP5-24	A & D
		Sysmex RAL staining machine or manual staining and microscopy HAE-CMX2-5	C

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Haematology examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
EDTA Blood	Erythrocyte Sedimentation Rate	Using Starrsed RS analyser HAE-NWP5-50	A
		Using Starrsed ST Inversa HAE-CMX2-4	C
		Using Starrsed ST Inversa HAE-CMX2-4	D
EDTA Blood	Detection of Infectious Mononucleosis heterophile antibodies	Immunochromatography using Biokit Monogen rapid antigen detection cards HAE-NWP5-5	A & C
EDTA Blood	Detection of Infectious Mononucleosis heterophile antibodies	Immunochromatography using Clearview IM Screen HAE-EAL3-25	D
EDTA Blood	P. falciparum and non P. falciparum (excl knowlesi) malarial antigens	By lateral flow immunochromatography using CareUS Malaria HRP2/pLDH (Pf/PAN) Combo HAE-EAL-1	A & D
EDTA Blood	Detection of intra-erythrocyte parasites	Giemsa pH 7 stain & light microscopy HAE-EAL3-1	D
EDTA Blood	Sickle Cell Haemoglobin Screening Test	Solubility test using Streck Sickledex Solubility HAE-NWP5-8.	A, C & D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Haematology examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Bone marrow aspirate	Bone marrow for detection of microscopic cell contents and structure	Manual staining and microscopy using May-Grunwald and Giemsa stains HAE-NWP5-6 HAE-EAL3-9	A
	Iron deposits	Manual staining and microscopy using GCC Iron stain kit (Perl's Reaction) HAE-NMP5-29	A
		Documented in-house methods to meet the requirements of the Sickle cell and Thalassaemia screening programme, as defined in the as defined in the Sickle cell and Thalassaemia screening programme: laboratory QA evidence requirements	C
EDTA Blood	Quantitation of HbF, HbS & HbA2	Using Biorad BioVariant II high performance liquid chromatography HAE2-CMX2-4	C
Dried blood spot	Sickle Cell Haemoglobin Screening Test	High performance liquid chromatography using VNBS HPLC system HAE2-CMX2-13	C
EDTA Blood & dried blood spots	Identification of Haemoglobin variants	Iso-electric focusing using Perkin Elmer HAE2-CMX2-3	C
		Acid gel electrophoresis using Helena kit HAE-CMX2-7	C
		Capillary electrophoresis using Sebia Capillarys HAE2-CMX2-12	C
		Mass spectrometry using Quattro Premier XE Tandem Quadropole Mass Spectrometer HAE2-CMX2-6	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Haematology (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Haematology examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
EDTA Blood	G6PD quantitation	Spectrophotomtetry using Jenway Spectrophotometer HAE2-CMX2-8	C
		By immunochromatography using Pointe Scientific kit HAE2-CMX2-14	C
EDTA Blood	G6PD screen	By immunochromatrography using Binax NOW G6PD HAE2-CMX2-15	C
Citrated blood	Coagulation		
	International Normalised ratio (INR)	Using Sysmex CN6000 HAE-NWP5-46	A
	Prothrombin time	Using Sysmex CN3000 HAE-NWP5-46	C
	Fibrinogen-Clauss		
	Activiated Partial Thromboplastin time		
	D-Dimer		
	50:50 Mix		
Citrated blood	Prothrombin time	Using Sysmex CN3000 HAE-NWP5-46	D
	Thrombin time		
	Activated partial thromboplastin time (APTT)		
	Fibrinogen-Clauss		
	APTT ratio		
	D-Dimer		
	International Normalised Ratio		
	50:50 Mix		

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Blood Transfusion		
HUMAN BODY FLUIDS (cont'd)	General examination activities for the purposes of clinical diagnosis:	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:	
EDTA Blood	Blood group: A RhD Positive A RhD Negative B RhD Positive B RhD Negative AB RhD Positive AB RhD Negative O RhD Positive O RhD Negative	Using Grifols Eflexis analyser and Gel-based microtyping system and reagents (automated) BTF-EAL3-1 Using Grifols Wadiana analyser and Gel-based microtyping system and reagents (automated) BTF-EAL3-10 Using Grifols Gel-based microtyping system and reagents (manual) BTF-EAL3-25	A & D C & D A, C & D
EDTA Blood	Antibody detection and identification Rh: D,C,E,c,e,Cw Kell: K,k,Kpa,Kpb Duffy: Fya,Fyb Kidd: Jka,Jkb Lewis: Lea,Leb P: P1 MNS: M,N,S,s Lutheran: Lua,Lub	Using Grifols Eflexis analyser, Gel-based microtyping system, screening & panel cells and NHSBT panels (automated) BTF-EAL3-1 Using Grifols Wadiana analyser, Gel-based microtyping system, screening & panel cells (automated) BTF-EAL3-10 Using Grifols Gel-based microtyping system and reagents (manual) BTF-EAL3-25	A & D C & D A, C & D
EDTA Blood	Compatibility testing of patient's plasma with donor cells	Using Grifols Gel-based microtyping system, Indirect Antiglobulin test (manual) and electronic issue BTF-EAL3-58	A, C & D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Blood Transfusion (cont'd)		
HUMAN BODY FLUIDS (cont'd)	General examination activities for the purposes of clinical diagnosis: (cont'd)	In house documented procedures in conjunction with equipment manuals and standard methods as specified below:	
EDTA Blood	Direct Antiglobulin test (automated)	Using Grifols Eflexis analyser and Gel-based microtyping system (automated) BTF-EAL3-24	A & D
		Using Grifols Wadiana analyser, Gel-based microtyping system, screening & panel cells (automated) BTF-EAL3-24	C & D
EDTA Blood	Antigen Phenotyping: Rh: C,E,c,e, Cw Kell: K	Using Grifols Eflexis analyser and Gel-based microtyping system (automated) BTF-EAL3-26	A & D
		Using Grifols Wadiana analyser, Gel-based microtyping system, screening & panel cells (automated) BTF-EAL3-26	C & D
		Using Grifols Gel-based microtyping system (manual) BTF-EAL3-26	A, C & D
EDTA Blood	Measurement of Foetal Rbc in maternal blood for FMH determination	By modified Kleihauer-Betke test using Guest Medical Kleihauer-Betke kit BTF-EAL3-21	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis.	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56, , BIO-EAL3-24	
Serum / plasma	Albumin	by photometry	A, & D
	Albumin	by spectrophotometry	C
Urine only	Tina-quant Albumin	by imunoturbidimetry	D
	Alanine transaminase	by photometry	A & D
	Alanine transaminase	by spectrophotometry	C
Urine also	Alkaline phosphatase	by photometry	A, C
	Alkaline phosphatase	by photometry	D
	Alkaline phosphatase	by spectrophotometry	C
	Alpha fetoprotein	by immunoassay	A & C
	Amikacin	by immunoassay	A, C & D
	Ammonia	by photometry	A & C

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56, , BIO-EAL3-24	
Plasma only	Ammonia	by photometry	D
	Amylase	by photometry	A & D
	Amylase	by spectrophotometry	C
	Aspartate aminotransferase	by photometry	A & D
	Bicarbonate	by photometry	A, C & D
	Bilirubin (total)	by photometry	A, & D
	Bilirubin (total)	by spectrophotometry	C
	Ca125	by immunoassay	A
Urine also	Calcium	by photometry	A & D
	Calcium	by spectrophotometry	C
	Carbamazepine	by photometry	A & D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated (cont'd)	Quantification of: (cont'd)	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56	
	Carcinoembryonic antigen	by immunoassay	A
	Chloride	by ion sensitive electrode	A & D
Urine only	Chloride	by ion sensitive electrode	D
	Cholesterol	by photometry	A, & D
	Cholesterol	by spectrophotometry	C
	Complement C3	by turbidimetry	A
	Complement C4	by turbidimetry	A
	Conjugated Bilirubin	by photometry	A & D
	Cortisol	by immunoassay	A & D
	C-reactive protein	by turbidimetry	A, C& D
	C-reactive protein	by spectrophotometry turbidimetric	C
Serum, Plasma, Urine	Creatinine (enzymatic)	by photometry	A, & D
Serum, Plasma, Urine	Creatinine (enzymatic)	by spectrophotometry	C
	Creatinine kinase	by photometry	A, & D
	Creatinine kinase	by spectrophotometry	C
	Digoxin	by immunoassay	A & D
Plasma	Ethanol	by spectrophotometry	A & D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated (cont'd)	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56, BIO-EAL3-24	
	Ferritin	by immunoassay	A, C & D
	Free Triiodothyronine (FT3)	by immunoassay	A ,C & D
	Free Thyroxine (FT4)	by immunoassay	A, C & D
	Folate	by immunoassay	A, C & D
	Follicle stimulating hormone	by immunoassay	A & D
	Gamma glutamyl transferase	by photometry	A & D
	Gentamicin	by immunoassay	A & D
CSF also	Glucose	by photometry	A, & D
CSF also	Glucose	by spectrophotometry	C
	HDL-Cholesterol	by photometry	A, & D
	HDL-Cholesterol	by spectrophotometry	C
	Human chorionic gonadotrophin	by immunoassay	A, C & D
	Iron	by spectrophotometry	A & D
	Immunoglobulins A, G, M	by immunoturbidimetry	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated (cont'd)	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56, BIO-EAL3-24	
Plasma & CSF	Lactate	by photometry	A, & D
CSF also	Lactate	by spectrophotometry	C
	Lactate dehydrogenase	by photometry	A, & D
	Lactate dehydrogenase	by spectrophotometry	C
	Lithium	by photometry	A & D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated (cont'd)	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro(Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56& BIO-EAL3-24	
	Luteinizing hormone	by immunoassay	A & D
	Magnesium	by photometry	A, & D
	Magnesium	by spectrophotometry	C
Urine only	Magnesium	by photometry	, D
Urine	Microalbumin	by spectrophotometry turbidimetric	C
Urine	Microalbumin	by photometry	A, C
Serum only	NT Pro-Brain natriuretic peptide	by immunoassay	A, D
	Oestradiol	by immunoassay	A & D
	Parathyroid hormone	by immunoassay	A, C & D
	Paracetamol	by photometry	A & D
	Phenytoin	by photometry	A & D
Urine also	Phosphate	by photometry	A, & D
	Phosphate	by spectrophotometry	C
	Potassium	by ion sensitive electrode	A, C & D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
Serum / plasma unless stated (cont'd)	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro(Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56& BIO-EAL3-24	
Urine only	Potassium	by ion sensitive electrode	C, D
	Progesterone	by immunoassay	A & D
	Procalcitonin	by immunoassay	D
	Prolactin	by immunoassay	A
	Prostate specific antigen	by immunoassay	A
Urine & CSF also	Protein (total)	by photometry	A, C & D
CSF & urine	Protein (total)	by spectrophotometry turbidimetric	C
Serum / plasma	Rheumatoid factor	by immunturbidimetry	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56& BIO-EAL3-24	
	Salicylate	by photometry	A & D
Urine also	Sodium	by ion sensitive electrode	A, C & D
	Sex hormone binding globulin	by immunoassay	A
	Theophylline	by photometry	A & D
	Triglycerides	by photometry	A, & D
	Triglycerides	by spectrophotometry	C
	Thyroid stimulating hormone	by immunoassay	A, C & D
Serum only	Transferrin	by immunoturbidimetry	A, D
	hs Troponin T	by immunoassay	A, C & D
	Unbound Iron Binding Capacity	by photometry	D

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56& BIO-EAL3-24	
Urine also	Urate	by photometry	A & D
	Urea	by photometry	A, & D
	Urea	by spectrophotometry	C
	Urea	by photometry	D
	Vancomycin	by photometry	A & D
	Valproate	by photometry	A & D
	Vitamin B12	by immunoassay	A, C & D
Serum	Vitamin D	by immunoassay	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
	Quantification of:	Using Roche Cobas c702 & e801 modules within Cobas 8000 system (Location A), Roche Cobas Pro (Location C) and Roche Cobas Pro (Location D) with reference to the following measurement principles: BIO-NWP5-60, BIO-NWP5-56& BIO-EAL3-24	
	Acute kidney alert	by calculation	D
	Anion gap	by calculation	D
Urine only	Albumin:Creatinine ratio	by calculation	D
Urine also	Creatinine clearance	by calculation	A, C, D
	Calcium (adjusted)	by calculation	D
	Estimated Glomerular Filtration rate (eGFR)	by calculation	A, C, D
	Chlolesterol (total/HDL)	by calculation	D
	Cholesterol (LDL-non fasting)	by calculation	D
	Non-HDL Cholesterol	by calculation	A, C & D
	LDL Cholesterol	by calculation	A & C
	Globulins	by calculation	D
Urine only	Protein:Creatinine ratio	by calculation	D
Urine only	Tubular Phosphate Reasbsorption	by calculation	D
	Transferrin Saturation	by calculation	A & D
	Free Copper Index	by calculation	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
	Quantification of:		
Serum / plasma	Macroprolactin	BIO-NWP5-18 by PEG precipitation followed by Roche Cobas immunoassay	A
Whole blood	HbA1c	By high performance liquid chromatography using TOSOH G11 BIO-NWP5-68	A
Serum & urine	Osmolality	By freezing point depression using:	
		OSMO Pro Osmometer BIO-NWP5-58	A
		Vitech Osmometer BIO-CMX2-1	C
		OSMO 1 Osmometer BIO-EAL3-21	D
Urine	Porphobilinogen	By ion exchange column extraction and spectrophotometry using Thermo Scientific Evo 201 BIO-NWP5-43	A
Urine	Porphyrins	By scanning spectrophotometry using Thermo Scientific Evo 201 BIO-NWP5-45	A
CSF	Xanthochromia	By spectrophotometry using which Thermo Scientific Evo 201 BIO-NWP5-5	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	General Biochemistry (cont'd)		
HUMAN BODY FLUIDS (cont'd)	Biochemical examination activities for the purposes of clinical diagnosis. (cont'd)	In house documented procedures based on equipment manuals and standard methods as specified below:	
	Quantification of:		
Serum, urine	Detection of kappa & lambda light chains	By electrophoresis using Sebia Hydrasys 2 BIO-NWP5-19	A
Serum, urine	Protein immunofixation		
Serum	Detection of normal and abnormal protein electrophoretic patterns	Protein electrophoresis using Sebia Capillarys 3 BIO-NWP5-59	A
	Protein monoclonal quanitification		
	Protein immunotyping		
		By liquid chromatography and mass spectrometry using Waters Quattro and Waters Acquity with reference to:	A
Serum / plasma	Testosterone DHEAs 17-OH Progesterone Androstenodione	BIO-NWP5-9	
		By liquid chromatography and mass spectrometry using Waters Xevo with reference to:	A
Urine	Free Cortisol	BIO-NWP5-8	
Serum / plasma	25-hydroxyvitamin D	BIO-NWP5-7	
Urine	5-Hydroxyindoleacetic acid	BIO-NWP5-47	

END