# Schedule of Accreditation

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# United Kingdom Accreditation Service

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**Accredited to**
**ISO 15189:2022**

## NHS Ayrshire and Arran

**Issue No:** 013 **Issue date:** 02 September 2026


**Area Laboratories**
**Crosshouse University Hospital**
**Kilmarnock**
**KA2 0BE**

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**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**<br>Area Laboratories<br>Crosshouse University Hospital<br>Kilmarnock<br>KA2 0BE | **Local contact:**<br>Lisa Hunter<br><br>Lisa.Hunter2@aapct.scot.nhs.uk<br><br>Margaret McGovern<br><br>Margaret.McGovern@aapct.scot.nhs.uk<br><br>Jane MacMillan<br><br>Jane.MacMillan2@aapct.scot.nhs.uk<br><br>Stephen Mallon<br><br>Stephen.Mallon@aapct.scot.nhs.uk | Bacteriology<br>Serology<br>Molecular Microbiology<br><br>Haematology<br>Blood Transfusion<br>Blood and blood product issue<br>Immunology<br><br>Histology<br>Immunohistochemistry<br>Cytology (Non-Gynaecological)<br>Andrology<br><br>Clinical Biochemistry | A |
| **Address**<br>Area Laboratories<br>University Hospital Ayr<br>KA6 6DX | **Local contact**<br>Margaret McGovern<br><br>Stephen Mallon | Haematology<br>Blood Transfusion<br>Blood and blood product issue<br><br>Clinical Biochemistry | B |

**Site activities performed away from the locations listed above:**

| Location details | | Activity | Location code |
|---|---|---|---|
| Theatre Complex- Crosshouse<br>Issue fridge - Main Lab | As above | Blood Fridges | H |
| Theatres- Ayr Hospital<br>Issue fridge - Main Lab | As above | Blood Fridge | J |
| Arran War Memorial Hospital – In patient ward Issue Fridge<br>Lamlash<br>Isle of Arran<br>KA27 8LF | As above | Blood fridge | C |
| Ayrshire Maternity Unit<br>Crosshouse Hospital<br>See above address | As above | Blood Fridge | F |
| Ailsa Hospital<br>Dalmellington Rd<br>Ayr<br>KA6 6AB | As above | Blood Fridge | G |

DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN TISSUES AND FLUIDS | <u>Microbiological examination activities for the purpose of clinical diagnosis</u><br><br><u>Bacteriology</u> | In-house documented procedures following current UKHSA Standards for Microbiological Investigations (SMIs) | |
| Swabs from wounds, genital sites, eyes, nose, throat, ears, respiratory and CSF, CAPD, faeces, fluids, bone marrow, tissue, urine, tips | General isolation and characterisation of micro-organisms of clinical significance | Manual culture and microscopy as relevant using SOPs<br><br>Bile (LPM BIL001)<br>CAPD (LPM CAP001)<br>CSF (LPM CSF002)<br>Ear (LPM EAR001)<br>Eye (LPM EYE001)<br>Faeces (LPM SAL001, LPM SHI001, LPM CAM001, LPM FVY001, LPM ECL002, LPM FFP001)<br>Fluids (LPM FLU001)<br>Genital (LPM HCX001)<br>Legionella (LPM LEG001)<br>Mouth (LPM MOU001)<br>MRSA (LPM MRS001)<br>Nasal (LPM NAW001)<br>Prosthetic Joint Infections (LPM PJI001)<br>Respiratory (LPM SPU002)<br>Throat (LPM THR002)<br>Tips (LPM TIP001)<br>Tissue and bone (LPM TIS002)<br>Urine (LPM URI003)<br>Wound (LPM WOU001 Abscesses (LPM ABS001) | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN TISSUES AND FLUIDS (cont'd) | Microbiological examination activities for the purpose of clinical diagnosis (cont'd) | In-house documented procedures following current UKHSA Standards for Microbiological Investigations (SMIs) | |
| Blood and sterile fluids | Detection of microbial growth | Detection of growth in cultures of blood and sterile fluids using automated system Bactec FX (LPM BLC003) | A |
| Cultures isolated in-house from all samples listed above | Identification of microorganisms of clinical significance | Automated method using bioMerieux Vitek 2XL instrument and LPM VIT002<br><br>Maldi-tof method using Brucker MS and LPM MAL005 | A |
| Bacterial cultures isolated in-house from all samples listed above | Antimicrobial susceptibility testing of clinically significant bacteria | Antimicrobial susceptibility testing- Automated method using bioMerieux Vitek 2XL instrument (LPM VIT002) and Manual disc method (LPM SEN002) – both EUCAST based | A |
| Sputum and lower respiratory tract specimens, tissues, fluids | Isolation and presumptive identification of Mycobacterium species | Becton Dickinson MGiT automated continuous growth system followed by Ziehl Neelsen staining and microscopy using SOP LPM MIG001 | A |
| Faeces | Detection of Cryptosporidium oocysts | Automated staining using modified Kinyoun method and microscopy, (LMP CRY001) | A |
| Faeces | Detection of Clostridium difficile toxins A & B | Screening for C diff toxins using mini VIDAS (LPM VTD001) | A |
| Skin, nail, hair | Detection and general isolation and characterisation of fungi and yeasts of clinical significance | Direct microscopy of KOH digested samples and Manual culture on non-chromogenic selective media. (LPM MYC001) | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN TISSUES AND FLUIDS (cont'd) | Serological examination activities for the purpose of clinical diagnosis | In-house documented procedures following current UKHSA Standards for Microbiological Investigations (SMIs) | |
| Blood (serum) | Microbial serology for: | Architect CMIA analyser (LPM ARC001) | A |
| | HAVABM | HAVABM (LPM HAM001) | |
| | HBsAG | HBsAG (LPM HBV001) | |
| | Anti HB Core | Anti HB Core (LPM HCO001 ) | |
| | HBV Conf | HBV Conf (LPM HBC001) | |
| | Anti HBS | Anti HBS (LPM HBS001) | |
| | HCV | HCV (LPM HCV001) | |
| | HIV | HIV (LPM HIV001) | |
| | HAVG | HAVG (LPM HPA001) | |
| | Rubella | RUBG (LPM RUB001) | |
| | Syphillis | Syphilis (LPM SYP001) | |
| | | Using Mini Vidas EIA analyser | A |
| | Varicella Zoster | VZ (LPM VAR001) | |
| | Toxoplasma | Toxoplasma (LPM TOV001) | |
| | Measles | Measles (LPM MEA001) | |
| | Lyme Disease | Lyme ( LPM LYG001) | |
| | Hepatitis C antibody | Hep C ab (LPM HVI001) | |
| Urine | Legionella pneumophilia serogroup 1 antigen | Legionella UA using BINAX NOW (LPM LUR001) | A |
| Urine / CSF | Streptococcus pneumoniae antigen | S Pneumo UA using BINAX NOW (LPM UPN001) | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN TISSUES AND FLUIDS (cont'd) | Molecular examination activities for the purpose of clinical diagnosis | In-house documented procedures following current UKHSA Standards for Microbiological Investigations (SMIs) | |
| Nose and Throat swabs | Resp-4-Plex assay (Influenza A, Influenza B, RSV, SARS CoV-2) | Abbott Alinity-M System Real time PCR extraction and amplification using LPM ALI001 & LPM RES001 | A |
| Genital, Endocervical, Vaginal, Rectal Swabs and Urine | Detection of Chlamydia trachomatis/Neisseria gonorrhoeae CT/NG | Abbott Alinity-M System Real time PCR extraction and amplification using LPM ALI001 & LPM STI001 | A |
| Nose and Throat swabs | SARS-CoV-2/Flu/RSV plus (Influenza A, Influenza B, RSV, SARS CoV-2) | PCR using Cepheid GeneXpert and RES002 | A |
| Genital, Endocervical, Vaginal, Rectal Swabs and Urine | Detection of Chlamydia trachomatis/Neisseria gonorrhoeae CT/NG | PCR using Cepheid GeneXpert and STI 002 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS | <u>Haematological examination activities for the purposes of clinical diagnosis:</u> | Documented in house methods and manufacturer's instructions for: | |
| | Quantitative determination of: | Sysmex XN 9100 A and XN3100 B: | |
| | | Using Flow Cytometry Method: | |
| EDTA Whole Blood | Hb | LPH HAE001 | A+B |
| | WBC | | |
| | Platelets | | |
| | RBC | | |
| | HCT | | |
| | MCV | | |
| | MCH | | |
| | MCHC | | |
| | Neutrophils | | |
| | Lymphocytes | | |
| | Monocytes | | |
| | Basophils | | |
| | Nucleated RBC | | |
| EDTA Whole Blood | Reticulocyte count | | |
| | | Sysmex CS-2500 using Turbidimetric technology: | |
| Whole Blood | APTT | LPH COA027 | A+B |
| | PT | LPH COA027 | A+B |
| | Fibrinogen | LPH COA027 | A+B |
| | D Dimer | LPH COA022 | A+B |
| | Factor VIII | LPH COA019 | A |
| | Factor IX | LPH COA019 | A |
| | INR | LPH COA027 | A+B |
| | Protamine Sulphate correction | LPH COA023 | A+B |
| | Apixiban | LPH COA031 | A+B |
| | Edoxiban | LPH COA031 | A |
| | Anti Xa | LPH COA028 | A |
| EDTA Whole Blood | Automated ESR | Starrsed Interliner ESR analyser LPH HAE009 | A |
| | | Starrsed ST Inversa ESR analyser LPH HAE047 | B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Haematological examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturer's instructions for: | |
| | Blood film assessment for detection of abnormal cell type, morphology, numbers and white cell differential | | |
| | Quantitative determination of: | Manual blood film reporting. Using microscopy: | |
| EDTA Whole Blood | Blood cells | LPH HAE008 | A+B |
| | | Manual Staining using May Grunwald and Giemsa stains and microscopy: | |
| Bone Marrow | Bone Marrow cells | LPH HAE022/023 | A+B |
| | | Automated Staining using SP50 and microscopy: | |
| Bone Marrow | Bone Marrow cells | LPH HAE022/023 | A+B |
| EDTA Whole Blood | Blood cells | LPH HAE008 | A+B |
| | Qualitative determination of: | CareUS rapid test immunochromatographic assay: | |
| EDTA Whole Blood | Malaria parasites<br>P.falciparum<br>P.vivax<br>P.ovale<br>P.malariae | LPH HAE007 | A+B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUID (cont'd) | Haematological examination activities for the purposes of clinical diagnosis (cont'd): | Documented in house methods: | |
| EDTA Whole Blood | Haemoglobinopathy Screening for:<br>• HbA<br>• $HbA_2$<br>• HbAS<br>• HbAC,<br>• HbAD,<br>• HbAE,<br>• HbF<br>• Alpha Thalassaemia<br>• Beta Thalassaemia | Manufacturers analyser using HPLC methodology. Using Tosoh G8-Sickle Cell and Thalassaemia LPH SPH023 | A |
| Blood | Sickle cell screen- HbS | Sickledex kit (STRECK) using turbidometric technology:<br><br>LPH SPH004 | A |
| Blood | Detection of infectious mononucleosis Heterophile antibody | Clearview I.M. II infectious Mononucleosis screen kit using agglutination:<br><br>LPH SPH002 | A+B |
| | Immunological examination activities for the purposes of clinical diagnosis | Documented in house methods and manufacturer's instructions for: | |
| | Qualitative determination of: | Indirect fluorescence / Microscopy using Quanta-Lyser 2 IFA Automated System, Nova View 2.0 Automated Fluorescent Miscoscope, Nova View Crithidia Module and Fluorescent LED Microscope with Camera: | |
| Blood<br>Blood<br>Blood | Anti-nuclear Antibodies<br>Liver autoantibodies<br>Smooth Muscle antibodies | LPI IMM003<br>LPI IMM008<br>LPI IMM008 | A<br>A<br>A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Immunological examination activities for the purposes of clinical diagnosis (cont'd): | Documented in house methods and manufacturer's instructions for:<br><br>Specific IgE fluroimmunoassay using ImmunoCAP system on Phadia 250 | |
| Blood | Specific IgE to the following:<br>Grass<br>Cat<br>Dog<br>House dust mite<br>Aspergillus fumigatus<br>Alternaria alternate<br>Horse dander<br>Cow dander<br>Guinea pig epithelium<br>Rabbit epithelium<br>Hamster epithelium | LPI IMM007<br><br>EliA test FEIA (Fluorescence enzyme immunoassay) using ImmunoCAP system on Phadia 250 | A |
| Blood | Rheumatoid factor<br>Anti CCP | LPI IMM011 | A |
| EDTA whole blood | Quantification of CD4 | Flow cytometry using FACS PRESTO | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Blood Transfusion examinations to assist in clinical investigations | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods: | |
| EDTA Whole Blood | Blood Group by detection and identification of antigens:<br>A Rh (D) Positive<br>AB Rh (D) Positive<br>B Rh (D) Positive<br>A Rh (D) Negative<br>AB Rh (D) Negative<br>B Rh (D) Negative<br>O Rh (D) positive<br>O Rh (D) negative | Column technology, Biorad IH500 analyser using LPH<br>Manual system, Biorad Gel Cards Agglutination and photometric<br>LPH BTS098<br>LPH BTS072<br>LPH BTS070 | A+B |
| EDTA Whole Blood | Antibody Screen by detection of antibodies to:<br>D, E, C, c, e, $C^w$<br>K, k, $Kp^a$ , $Kp^b$ ,<br>$Fy^a$ , $Fy^b$ ,<br>$Jk^a$, $Jk^b$<br>$Le^a$, $Le^b$<br>S, s, M, N<br>$Lu^a$ , $Lu^b$<br><br>Identification of antibodies:<br>D, E, C, c, e, $C^w$<br>K, k, $Kp^a$ , $Kp^b$ ,<br>$Fy^a$ , $Fy^b$ ,<br>$Jk^a$, $Jk^b$<br>$Le^a$, $Le^b$<br>S, s, M, N<br>$Lu^a$ , $Lu^b$ | LPH BTS073<br>LPH BTS085 | A+B |
| EDTA Plasma | Antibody Titration | LPH BTS018 | A |
| EDTA Plasma | Compatibility testing of patient's plasma with donor cells | LPH BTS063<br>LPH BTS012 | A+B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Blood Transfusion examinations to assist in clinical investigations (cont'd) | Procedures documented in manufacturer's equipment manuals in conjunction with documented in-house procedures by the following methods: | |
| EDTA Whole Packed Red Cell | Direct Antiglobulin Test (DAT) | LPH BTS016 | A+B |
| EDTA Whole packed red cell | Red cell phenotyping to include:<br><br>D, E, C, c, e,<br>K<br>$Fy^a$, $Fy^b$,<br>$Jk^a$, $Jk^b$<br>$Le^a$, $Le^b$<br>S, s, M, N | Biorad Column Technology:<br><br>LPH BTS016 | A+B |
| Blood | Estimation of Foetal cells in Maternal circulation | Acid Elution using Guest Medical kliehauer kits | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS<br><br>Fixed, fresh and frozen tissue, excisional and incisional biopsies and surgical resection specimens<br>Non-gynae cytology cell blocks | Histopathological examination activities for the purposes of clinical diagnosis | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant):<br><br>Supported by:<br><br>Tissue Dissection:<br>Manual methods using documented procedures LPP HIS084-181<br><br>Cryotomy:<br>Leica cryostat<br>LPP HIS009<br>LMP HIS009<br><br>Decalcification:<br>Using<br>LPP HIS019<br>LPP HIS199<br><br>Tissue Processing:<br>Using the Leica Peloris 3<br>LPP HIS186<br>Embedding:<br>LPP HIS004<br>Using Leica Arcadia<br><br>Section Cutting:<br>LPP HIS005<br>Using Leica histocore, microtomes | <br><br>A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded)<br>Sections from fresh frozen tissue | Identification of nuclei, cell cytoplasm and connective tissues in cells and tissues for the purposes of clinical diagnosis using Haematoxylin & Eosin. | Haematoxylin and Eosin staining-Manual and automated methods-Rapid H&E stain for frozen sections:<br>LPP HIS006<br>LPP HIS054<br>Epredia Gemini AS, Leica Autostainer XL<br>Sakura TTCoverslipper | A |
| FFPE slides (Formalin fixed paraffin embedded) | Special staining of histopathology examinations to assist in detection of clinical abnormalities: | Special staining<br>In-house manual documented procedures based on manufacturers' manuals as relevant | A |
| | Acid and Neutral Mucopolysaccharides | Alcian Blue/PAS: LPP HIS035 | |
| | Acid Mucopolysaccharides | Alcian Blue: LPP HIS 034 | |
| | Amyloid | Congo Red : LPP HIS 038 | |
| | Bacteria | Gram Hucker Conn: LPP HIS 048 | |
| | Fungi | Grocott-Gomori Methenamine Silver: LPP HIS051 | |
| | Haemosiderin | Perl's Prussian Blue: LPP HIS067 | |
| | Glycogen/Neutral mucins/Fungi | Periodic Acid-Schiff (+/- Diastase): LPP HIS 068 | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Special staining of histopathology examinations to assist in detection of clinical abnormalities: (cont'd) | Special staining<br>In-house manual documented procedures based on manufacturers' manuals as relevant: | A |
| | Reticulin Fibres | Retic (Gordon & Sweet's): LPP HIS07 | |
| | Connective tissue | Van Gieson: LPP HIS077 | |
| | Acid fast bacilli | Ziehl Neelson: LPP HIS081 | |
| | Mycobacterium Leprae | Wade-Fite: LPP HIS202 | |
| | Elastic Fibres | Miller's Elastic H&E: LPP HIS203 | |
| FFPE slides (Formalin fixed paraffin embedded) | Immunohistochemistry examination activities for detection of: | Immunohistochemistry<br>Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines:<br>Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Acidic and basic cytokeratins | AE1/AE3 | |
| | Embryonic cells in normal tumours and germ cell tumours | a-1 Fetoprotein | |
| | Smooth muscle cells, myoepithelial cells | Actin, Smooth Muscle | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Human amyloid P component | Amyloid P | |
| | Androgen Receptor positive cells | Androgen receptor | |
| | B Cells, Follicular lymphomas | Bcl-2 | |
| | B Cells, lymphoma | Bcl-6 Protein | |
| | Beta-Catenin protein | B-CAT 14 | |
| | H.pylori | Anti-Helocobacter pylori (SP48) | |
| | P40 protein | P40 (BC28) | |
| | NKX3.1 protein | NKX3.1 (EP356) | |
| | CD44 protein | CD 44 (SP37) | |
| | Insulinoma-associated protein 1 | INSM1 (MRQ-70) | |
| | SOX-10 protein | SOX-10 (SP267) | |
| | Clear cell carcinoma | Carbonic Anhydrase IX | |
| | CA19-9 | CA19-9 | |
| | Ovarian epithelial malignancies, seminal vesicle malignancies, anaplastic lymphoma | CA-125 | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Parafollicular cells in thyroid and medullary thyroid carcinomas | Calcitonin | |
| | Smooth muscle cells, myoepithelial cells | Calponin | |
| | Mesotheliomas | Calretinin | |
| Frozen Section Slides | FITC identification of complement 2 in the skin | C3 (IF) | |
| | Langerhan Cells | CD1a | |
| | Mature B Cells, Follicular dendritic cells, CALLA | CD10 (CALLA) | |
| | Various targets | CD117 (c-kit) | |
| | Normal and neoplastic cells and plasmacytoid lymphomas | CD138 | |
| | Granulocytes, Reed-Sternberg cells | CD15 (Leu-M1) | |
| | B Cell | CD20 (L26) | |
| | Mature B Cells, follicular dentritic cells | CD21 | |
| | B Cells, T Cells | CD23 | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | ALCL | CD246, ALK protein (Clone ALK1) | |
| | T Cells | CD31 | |
| | Reed-Sternberg cells, plasma cells | CD30 (BerH2) | |
| | Endothelial cells | CD31 | |
| | Endothelial cells | CD34 (Qbend 10) | |
| | Thymic cells, activated T Cells, Precursor and activated B Cells | CD38 | |
| | T Cells, Helper and mature | CD4 | |
| | T and B cell lymphoma | CD43 (MT1) | |
| | Leucocytes | CD45 (LCA) | |
| | Mature T cells, T cell lymphomas | CD5 | |
| | Natural killer cells, neuroendocrine tissue | CD56 (N-CAM) | |
| | Platelets, megakaryocytes, macrophages, endothelial cells | CD57 | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Monocytes, macrophages, neutrophils, histiocytic lymphomas | CD68 (KP1) | |
| | Macrophages, Mast cells, synovial cells, histiocytic lymphomas | CD68 (PG M1) | |
| | B Cells | CD7 | |
| | T cells | CD79a | |
| | T cells | CD8 | |
| | Intestinal epithelial cells, colorectal, adeno carcinomas | CDX2 | |
| | CEA glycoproteins | CEA (mono) | |
| | Hepatocellular carcinoma | CEA (poly) | |
| | Neuroendocrine tissue | Chromogranin A | |
| | Basal cells, keratin, squamous, prostrate adenocarcinoma | Cytokeratin, HMW (34BE12) | |
| | Prostate gland | Cytokeratin, HMW +p63 cocktail (basal cell cocktail) | |
| | Tumour cells | Cyclin D1 | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
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| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Pan cytokeratin | Cytokeratin, MNF116 | |
| | Epithelial cells | Cytokeratin 14 | |
| | Epithelial cells | Cytokeratin 19 | |
| | Adenocarcinoma, columnar epithelial cells | Cytokeratin 20 | |
| | Stratified squamous epithelium, basal cells, mesotheliomas | Cytokeratin 5/6 | |
| | Epithelia | Cytokeratin 7 | |
| | Epithelial cells | Cytokeratin 8/18 | |
| | Lymphatic vessels | D2-40 | |
| | Striated and smooth muscle cells | Desmin | |
| | Gastrointestinal stromal tumours | DOG-1 | |
| | Epstein Barr encoded RNA expressing cells | EBER (ISH) | |
| | Duct epithelial cells | E- Cadherin | |
| | Epithelium | EMA | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Epithelial cells, adenocarcinomas | EP4 | |
| | Nuclei of cells containing oestrogen | Oestrogen receptor | |
| | Von Willibrand factor | Factor VIII | |
| | Fibrohistocytic lesions | Factor XIIIa | |
| | Predictor of ER positive status, Urothelial carcinomas | GATA-3 | |
| | Breast Carcinoma | GCDFP-15 | |
| | Placental trophoblasts | hCG | |
| | Breast cells expressing HER-2 | HER-2 | |
| | Melanoma cells | HMB45 | |
| Frozen Section Slides | FITC identification of IgA in skin | IgA (IF) | |
| Frozen Section Slides | IgG in skin | IgG (IF) | |
| Frozen Section Slides | IgM in skin | IgM (IF) | |
| | Sex chord stromal tumours | Inhibin | |
| | Kappa light chain mRNA | KAPPA (ISH) | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Proliferating cells | Ki67 (MIB-1) | |
| | Lambda light chain mRNA | LAMBDA (ISH) | |
| | Breast carcinoma and micrometastasis | Mammoglobin | |
| | Melanoma | MelanA | |
| | Mesothelial cells | Mesothelin | |
| | Epithelial cells | MOC31 | |
| | Lympho-haemopoietic tumours | MUM 1 | |
| | Myoeptithelial cells | Myosin heavy chain | |
| | Lymphoid/myeloid differentiation | Myeloperoxidase | |
| | Rhabdomyoma/rhabdomyosarcoma | Myoglobin | |
| | Lung adenocarcinoma | Napsin A | |
| | Nerve/neuroendocrine tumours | NSE | |
| | Hepatocytes | OCH1E5 | |
| | Germ cell/ seminomas | Oct-04 | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Cervical carcinoma | P16 | |
| | Lobular carcinoma of the breast | P120 Catenin | |
| | Breast, Colon, Lung, Urothelial carcinoma | P53 (DO-7) | |
| | Hydatidiform mole | P57 | |
| | Prostate basal cells, proliferative cells, glandular epithelium | P63 | |
| | B cells | PAX-5 | |
| | Follicular thyroid neoplasms, renal epithelial tumours, urothelial carcinomas, serous ovarian and endometroid carcinomas | PAX-8 | |
| | Angioimmunoblastic lymphoma | PD-1 | |
| | Neurones and neuroendocrine cells | PGP9.5 | |
| | Germ cell tumours, seminomas | Plac Alk phosphatase | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | Nuclei of cells containing progesterone | Progesterone | |
| | Prostatic glandular cells | Prostein | |
| | Prostate secretory and ductal epithelium | PSA | |
| | Prostate adenocarcinoma | Racemace (P504s) | |
| | Renal cell carcinomas | Renal cell carcinoma | |
| | Schwann cells, nerve processes, S100 positive neoplasms | S-100 | |
| | Urothelial neoplasm | S-100p | |
| | Bladder carcinoma, muscularis propria | Smoothelin | |
| | Mantle cell lymphoma | SOX-11 | |
| | Neuroendocrine cells | Synaptophysin | |
| | Lymphocytes, leukaemias, lymphomas | TdT | |
| | Mesothelioma | Thrombomodulin | |
| | Thyroglobulin containing cells | Thyroglobulin | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY TISSUE AND FLUIDS (cont'd) | Histopathological examination activities for the purposes of clinical diagnosis (cont'd) | Macroscopic and Microscopic examination using in house procedures in conjunction with manufacturer's instructions for the following methods (where relevant): | |
| FFPE slides (Formalin fixed paraffin embedded) (cont'd) | Immunohistochemistry examination activities for detection of (cont'd): | Immunohistochemistry Microscopic examination supported by in-house documented procedures based on Ventana Benchmark Ultra machines: Using SOPs LPP-ICC002-017, LPP ICC020, LPP ICC028-030, LPP ICC037, LPP ICC040, LPP ICC043 | A |
| | TTF-1 | TTF-1 | |
| | Mesenchymal cells, epithelial cells, fallopian smooth muscle | Vimentin | |
| | Wilms Tumour | WT1 | |
| | Melanocytic lesions | PRAME | |
| | Colorectal adenocarcinoma | SAT B2 | |
| | Membranous staining of epithelial cells | Claudin 4 | |
| HUMAN BODY FLUIDS | Diagnostic Cytopathology (Non-Gynaecological) examination activities for the purposes of clinical diagnosis | Macroscopic and microscopic examination | |
| Fine needle aspirations (various sites)<br>Serous effusions (pleural, ascetic, pericardial)<br>Urine<br>Cyst Fluids<br>Peritoneal Washings<br>Cerebrospinal Fluid<br><br>Air dried prepared slides of above<br>Wet fixed preps of above | Examination of cellular material in order to identify or exclude morphological and cytological abnormalities | Documented in-house procedures In conjunction with manufacturer's instructions for Shandon Cytospin, Genesis Thinprep and Epredia Gemini VaristainAS:<br>LPP CYT001-018<br>LPP CYT042<br>LPPCYT064<br>LPP CYT001 PAP Stain<br>RAL 555 Rapid Diff Quick<br>LPP CYT022 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Andrological examination activities for the purposes of clinical diagnosis | | |
| Semen | Post vasectomy<br><br>Detection of sperm<br>Sperm concentration | 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 documented in-house procedure LPP CYT033 by large volume chambers/ manual microscopy | A |
| Semen | Fertility testing | Based on WHO laboratory manual for the examination and processing of human semen (Sixth edition 2021) and manual method using documented in-house procedure CYT025-029 | A |
| | Volume | Volume/weight | A |
| | pH | Colorimetric strips | A |
| | Sperm morphology excluding TZI scoring | Stained slides (Papanicolau) microscopy (Bright field) | A |
| | Sperm concentration | Microscopy (Phase contrast) | A |
| | Sperm motility | Microscopy (Phase contrast) | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: | Documented in house methods and manufacturer's instructions for:<br><br>Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e801 (B)<br><br>LPB COB001, LPB COB103 and LPB COB105<br><br>**Using Photometric methods:** | |
| Serum/plasma | Albumin | LPB COB017 | A+B |
| Serum/plasma | Alkaline phosphatase | LPB COB009 | A+B |
| Serum/plasma | Digoxin | LPB COB033 | A |
| Serum/plasma | Direct Bilirubin | LPB COB008 | A |
| Serum/plasma | Iron | LPB COB027 | A |
| Serum/plasma/ CSF | Lactate | LPB COB032 | A+B |
| Serum/plasma | Lithium | LPB COB046 | A |
| Serum/plasma | Magnesium | LPB COB025 | A+B |
| Serum/plasma/urine | Phosphate | LPB COB019 | A+B |
| Serum/plasma | Bilirubin | LPB COB007 | A+B |
| Serum/plasma/ CSF/Urine | Total Protein | LPB COB016 | A+B |
| Serum/plasma | GGT | LPB COB014 | A |
| Serum/plasma | HDL cholesterol | LPB COB022 | A+B |
| Serum/plasma | Triglyceride | LPB COB023 | A+B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturer's instructions for:<br><br>Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e801 (B)<br><br>LPB COB001, LPB COB103 and LPB COB105<br><br>**Using enzymatic/colorimetric methods:** | |
| Serum/plasma | Urate | LPB COB026 | A+B |
| | | **Using Immunoassay methods** | |
| Serum/plasma | Beta HCG | LPB COB093 | A |
| | CA-125 | LPB COB084 | A |
| | CA-19-9 | LPB COB085 | A |
| | Cortisol | LPB COB087 | A |
| | FSH | LPB COB090 | A |
| | LH | LPB COB094 | A |
| | Macroprolactin | LPB COB107 | A |
| | Oestradiol | LPB COB095 | A |
| | Progesterone | LPB COB096 | A |
| | Prolactin | LPB COB097 | A |
| EDTA plasma | PTH | LPB COB109 | A |
| Serum/Plasma | Testosterone | LPB COB100 | A |
| | Troponin-T | LPB COB101 | A+B |
| | | **Using Electrochemiluminescence Immunoassay methods** | |
| Serum/Plasma | AFP | LPB COB108 | A |
| | CEA | LPB COB086 | A |
| | Free T3 | LPB COB091 | A |
| | Free T4 | LPB COB106 | A+B |
| | PSA | LPB COB098 | A+B |
| | TSH | LPB COB102 | A+B |
| | Folate | LPB COB089 | A+B |
| | Ferritin | LPB COB088 | A+B |
| | Vitamin B12 | LPB COB083 | A+B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturer's instructions for: | |
| | | Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e801 (B) | |
| | | LPB COB001, LPB COB103 and LPB COB105 | |
| Serum/plasma | Alpha-1-antitrypsin | LPB COB054 | A |
| | CRP | LPB COB024 | A+B |
| | IgA | LPB COB060 | A |
| | IgG | LPB COB060 | A |
| | IgM | LPB COB060 | A |
| | | Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e801 (B) | |
| | | LPB COB103 and LPB COB105 | |
| | | **Using immunoturbidometric assay methods:** | |
| Urine | Microalbumin | LPB COB040 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturer's instructions for:<br><br>Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e801 (B)<br><br>LPB COB001, LPB COB103 and LPB COB105<br><br>**Using enzymatic assay methods:** | |
| Serum/plasma | Ammonia | LPB COB049 | A |
| Serum/plasma | Alanine aminotransferase<br>Aspartate aminotransferase | LPB COB011<br>LPB COB010 | A+B<br>A+B |
| Serum/plasma/urine | Amylase | LPB COB015 | A+B |
| Serum/plasma | Bicarbonate | LPB COB006 | A+B |
| Serum/plasma | Cholesterol | LPB COB021 | A+B |
| Serum/plasma | Alcohol | LPB COB031 | A+B |
| Serum/plasma/CSF | Glucose | LPB COB020 | A+B |
| Serum/plasma | Lactate Dehydrogenase | LPB COB071 | A+B |
| Serum/Plasma | Salicylate | LPB COB029 | A+B |
| Serum/plasma | Paracetamol | LPB COB030 | A+B |
| Serum/plasma/urine | Calcium | LPB COB018 | A+B |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturer's instructions for:<br><br>Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e801 (B)<br>LPB COB001, LPB COB103 and LPB COB105 | |
| | | **Using photometric assay method** | |
| Serum/plasma | Creatinine kinase | LPB COB012 | A+B |
| Serum/plasma | Unsaturated Iron binding concentration | LPB COB028 | A |
| | | **Using enzymatic immunoassay methods:** | |
| Serum/plasma | Tobramycin | LPB COB052 | A |
| Serum/plasma | Valproate | LPB COB038 | A |
| Serum/plasma | Digoxin | LPB COB033 | A |
| | | **Using Jaffe kinetic colorimetric methods:** | |
| Serum/plasma/urine | Creatinine | LPB COB004 | A+B |
| | | **Using kinetic photometric methods:** | |
| Serum/plasma/urine | Urea | LPB COB003 | A+B |
| | | **Using KIMS methods:** | |
| Serum/plasma | Carbamazepine | LPB COB034 | A |
| Serum/plasma | Phenytoin | LPB COB036 | A |
| Serum/plasma | Phenobarbitone | LPB COB035 | A |
| Serum/plasma | Theophylline | LPB COB037 | A |
| Serum/plasma | Gentamicin | LPB COB055 | A |
| Serum/plasma | Vancomycin | LPB COB050 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturers instructions for :<br><br>Roche Cobas 8100 system (A+B)<br>C702/e801 (A)<br>C702/e802 (B)<br><br>LPB COB001, LPB COB103 and LPB COB105<br>**Using ISE methods:** | |
| Serum/Plasma | Chloride | LPB COB005 | A+B |
| | Potassium | LPB COB005 | A+B |
| | Sodium | LPB COB005 | A+B |
| | | **Corning 925 Chloride analyser measuring Chloride:** | |
| Sweat | Chloride | LPB MIS014<br><br>**Arkray OsmoStation 2 Model 6070 using Depression of Freezing Point:** | A |
| Serum, Lithium Heparin Plasma, Urine | Osmolality | LPB MIS027<br><br>**TOSOH G11 using HPLC Chromatography** | A |
| Whole Blood | HbA1c | LPB MIS025<br><br>**HM-JACKarc II - Integrated Sphere Turbidimetry** | A |
| Faeces | Faecal Immunochemical Testing (FIT) for symptomatic testing | LPB HPL005 | A |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Biochemistry examination activities for the purposes of clinical diagnosis: (cont'd) | Documented in house methods and manufacturer's instructions for: | |
| | | **Gilson HPLC with Chromsystems specific kit:** | A |
| Urine | VMA<br>5HIAA<br>HVA<br>Normetadrenaline<br>Metadrenaline | LPB HPL001<br>LPB HPL001<br>LPB HPL001<br>LPB HPL004<br>LPB HPL004 | |
| | | **Sebia Hydrasys using Hydragel-Electrophoresis and immunofixation** | A |
| Serum/Plasma/urine | Monoclonal bands | Protein electrophoresis<br>LPB PRO003 & LBP PRO008 | A |
| Serum/plasma/urine | Characterising abnormal protein bands identified during routine protein electrophoresis | Immunofixation<br>LPB PRO004 | A |
| | Calculated tests for the purposes of clinical diagnosis | Documented in house methods and manufacturer's instructions using<br>LFB LAB004<br>Roche Cobas 8100 system<br>C702/e801 (A)<br>C702/ (B) | A<br>B |
| Serum/Plasma | Globulin | Roche C8100 and LIMS | |
| Serum/Plasma | Adjusted calcium | Roche C8100 and LIMS | |
| Serum/Plasma | EGFR | Roche C8100 and LIMS | |
| Serum/Plasma | Cholesterol/HDL ratio | Roche C8100 and LIMS | |
| Serum/Plasma | LDL cholesterol | Roche C8100 and LIMS | |
| Urine | 24 hr Sodium | Roche C8100 and LIMS | |
| Urine | 24 hr Potassium | Roche C8100 and LIMS | |
| Urine | 24 hr Urea | Roche C8100 and LIMS | |

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|---|---|
| HUMAN BODY FLUIDS (cont'd) | Calculated tests for the purposes of clinical diagnosis (cont'd) | Documented in house methods and manufacturer's instructions using LFB LAB004 | A B |
| Urine | 24 hr Creatinine | Roche C8100 and LIMS | |
| Urine | 24 hr Calcium | Roche C8100 and LIMS | |
| Urine | 24 hr Phosphate | Roche C8100 and LIMS | |
| Urine | 24 hr Amylase | Roche C8100 and LIMS | |
| Urine | 24 hr Total Protein | Roche C8100 and LIMS | |
| Urine | Protein/Creatinine ratio | Roche C8100 and LIMS | |
| Urine | Creatinine Clearance | Roche C8100 and LIMS | |
| Urine | Microalbumin | Roche C8100 and LIMS | |
| Urine | 24 hr glucose | Roche C8100 and LIMS | |
| Urine | Calcium/Creatinine ratio | Roche C8100 and LIMS | |
| Serum/Plasma | Saturation | Roche C8100 and LIMS | |
| Urine/Serum/Plasma | Amylase/creatinine clearance | Roche C8100 and LIMS | |
| Urine | Phosphate/creatinine ratio | Roche C8100 and LIMS | |
| Urine/Serum/Plasma | Urine/Plasma Osmolality | LIMS | |
| Serum/Plasma | Alcohol | Roche C8100 and LIMS | |
| Serum/Plasma | TIBC | Roche C8100 and LIMS | |
| END | | | |