

Microbiology (all tests and processes within scope)

Combined laboratory (9088)

Service	Test provided	Tests / process variation
Biochemistry	CSF-AFP	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	CSR - Cytospin	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	CSF - Ferritin	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	CSF - hCG	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	CSF - Lactate	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	CSF - LDH	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Albumin	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Amylase	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Bilirubin	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Cholesterol	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Chloride	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Bicarbonate	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Creatinine	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Glucose	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Potassium	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid LDH	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Lipase	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Sodium	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Protein	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Triglyceride	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid Urea	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid AFP	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid CA125	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid CA19-9	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid CEA	Test not fully validated to ISO 15189 standard at time of assessment
Biochemistry	Fluid hCG	Test not fully validated to ISO 15189 standard at time of assessment
Haematology	Autohaemolysis – Red cells	Test not fully validated to ISO 15189 standard at time of assessment
Haematology	Bone Marrow Examination	Test not fully validated to ISO 15189 standard at time of assessment
Haematology	Full Blood Count: Haemoglobin, Haematocrit, Red Cell Count, Nucleated RBC count, Mean Cell Haemoglobin, Mean Cell Haemoglobin Concentration, Mean Cell Volume, White cell count	

	(WBC) Neutrophils, Immature Granulocytes, Lymphocytes, Monocytes, Eosinophils, Basophils. Platelet Count, Mean Platelet Volume, Reticulocyte haemoglobin, equivalent, Reticulocyte
Haematology	Blood Smears/Film preparation
Haematology	Blood film – morphology examination and differential
Haematology	Glandular Fever (Infectious Mononucleosis screen)
Haematology	GCPD Deficiency screening
Haematology	Sickle Cell screening
Haematology	Haemoglobinopathy screening for Thalassaemia and Haemoglobin variants quantitation of HbA2, HbF and HbS.
Haematology	Malaria Parasites, Antigenic detection, Detection and identification of Malarial parasite species from stained preparations: <i>Plasmodium falciparum</i> , <i>Plasmodium malariae</i> , <i>Plasmodium ovale</i> , <i>Plasmodium vivax</i> , <i>Plasmodium knowlesi</i>
Haematology	Cytospins: Cell Morphology
Haematology	Bone Marrow Smear preparation and Stain
Haematology	Bone Marrow Smear Cell morphology
Haematology	Plasma Viscosity
Haematology	Haemosiderin
Molecular Biology	Inherited thrombophilia – Factor V Leiden & Prothrombin (Factor II)

Molecular Biology	Inherited HFE genotyping – H63D & C282Y
Molecular Biology	Neuropathology – loss of heterozygosity at 1p & 19q
Molecular Biology	Neuropathology – MGMT methylation in glioma and sarcoma
Molecular Biology	Oncology EGFR gene mutation exons 18-21
Molecular Biology	<u>Haemato-oncology</u> for AML: FLT3-ITD - NPM1 - DNA t(8;21) - RNA t(15;17) - RNA inv(16) - RNA
Molecular Biology	<u>Haemato-oncology</u> for CML, ALL and some AML: t(9;22) qualitative & quantitative RT-PCR Quantitative measures BCR/ABL1 cDNA as a ratio to ABL cDNA
Molecular Biology	Lymphoma:T cell clonality by TCRB and TCRG gene rearrangement analysis Mantle Cell Lymphoma: Cyclin D1 (CCND1) over expression (RNA) and t(11;14) (DNA) Follicular Lymphoma: t(14;18)
Molecular Biology	Myeloproliferative neoplasms: JAK2 p.Val617Phe

Molecular Biology

Myeloproliferative
neoplasms:
CALR exon 9
MPL exon 10

Cellular & Anatomical Pathology (9881)

Service	Test provided	Tests / process variation
Histopathology/ Immunocytochemistry	CK8/18	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-12F10	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-Alpha Synuclein	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-C5-9 (MAC)	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-Caveolin 3	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-HIV	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-MBP	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-MYOTILIN	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-NNM	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-P62	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Immunocytochemistry	NI-TDP43	Test not fully validated to ISO 15189 standard at time of assessment
Histopathology/Neuropathology/ Special staining	NS-Mod. Bielschowsky	Test not fully validated to ISO 15189 standard at time of assessment
Histopathology/Neuropathology/ Special staining	NS-Nissl	Test not fully validated to ISO 15189 standard at time of assessment
Histopathology/Neuropathology/ Special staining	NS-Palmgren's	Test not fully validated to ISO 15189 standard at time of assessment
Histopathology/Neuropathology/ Special staining	NS-Warthin/Starry	Test not fully validated to ISO 15189 standard at time of assessment
Neuropathology/ Enzyme histochemistry	NS-Phosphorylase	Test not fully validated to ISO 15189 standard at time of assessment
Diagnostic Non-Gynae Cytology	Joint fluid crystals	Not diagnostic for this entity. Malignant cells only.