

<b>Reference:</b>	FOI.17657.25
<b>Subject:</b>	Blood tests
<b>Date of Request:</b>	24 June 2025

**Requested:**

Please supply under the relevant legislation and within the legal timeframe, a complete list of ALL the blood tests that a General Practitioner can request/authorise.

**Response:**

Hywel Dda University Health Board (UHB) provides within the table below, a list of all the tests available on the General Practitioner Test Requesting (GPTR) system.

Alpha-1-Antitrypsin	Erythropoietin
ACE	Erythrocyte sedimentation rate
Anti-Acetylcholine Receptor Antibodies (Oxford)	Factor V (F5) level
Anti-cardiolipin antibody	Factor VIII (F8) level
Albumin:creatinine ratio	Factor IX (F9) level
ACTH	Full blood count
Alpha-feto protein	Film microscopy
Aluminium	Factor V (F5) Leiden screen
Albumin	Red blood cell G6PD level
Aldosterone	Red cell G6PD screening test
Alkaline phosphatase	Glandular fever screening test
Alanine transaminase	HbA1c (IFCC aligned)
Amino acids	Haemoglobinopathy screen test
Amiodarone	Immunophenotyping
Amylase	International normalised ratio (INR)
Androstenedione	International normalised ratio (INR) dose
Antimicrobial assay	JAK2 V617F
Aspartate transaminase	Lupus anticoagulant screen
Vitamin B12	Genetic haemochromatosis HFE genotyping
Anti-B2-GP1 Antibodies	Malarial parasite screening test
Beta 2 microglobulin	Prothrombin mutation 20210 genotype
Bicarbonate	Protein C
Bilirubin	Viscosity
Conjugated Bilirubin	Reticulocyte count
Bile acid	Sickle cell solubility screen
Bone profile	Thrombin time
Acyl carnitine	Anti-factor Xa activity level
Functional C1 Esterase Inhibitor	Anti-C1q Antibodies
Complement C3	Adrenal autoantibodies
Complement C4	Anti-Mullerian Hormone
Calcium	Anti MOG (Myelin Oligodendrocyte Glycoprotein)

CA125	Anti-nuclear Ab screen
CA15-3	ANCA screen
CA19-9	Complement AP50
Calcium:creatinine ratio	Aquaporin 4 Antibodies (NMO Abs)
Caeruloplasmin	Anti-CCP antibody
Calcitonin	Complement CH50
Carnitine Profile	Cardiac muscle antibody
CEA	dsDNA binding autoantibody
Chromogranin	ENA antibody screening test
Cholinesterase Phenotype	Anti-GAD Antibodies
Creatine kinase	Anti-GABA <sub>B</sub> receptor/AMPA antibodies
Chloride	GBM antibody
Cobalt	Glycine receptor antibodies
Cortisol	Anti-GM1 Antibodies
Chromium	Parietal cell autoantibodies
Carbamazepine	Anti-GQ1B Antibodies
24 hour Creatinine clearance	IgG Antibodies to HIB
C reactive protein	Anti-Histone Antibodies
Cryoglobulins	Pancreatic Islet Cell Antibodies
Copper	Intrinsic factor antibody
Cyclosporin (New Method)	IgG Insulin Antibodies
Cystine:creatinine ratio	Liver autoantibody
Dexamethasone Suppression Test	Anti-MAG Antibodies
DHEAS	Anti--MPO antibodies
Digoxin	Anti MuSK Antibodies
Dopamine/creatinine ratio	Anti-Neuronal Antibodies
eGFR and electrolytes	Anti-NMDA Receptor Antibodies
Endomysial antibody IgA	Ovarian antibody
Protein electrophoresis	IgG Antibodies to Pneumococcus
Ethanol	Anti-basal ganglia antibodies
Everolimus	Pemphigus/pemphigoid screening
Free Androgen Index	Anti-PR3 antibodies
Calprotectin	Striated (Skeletal) Muscle antibodies
Elastase	IgG Antibodies to Tetanus
Ferritin	Anti-Voltage-Gated Calcium Channel Antibody
Transferrin saturation	VGKC Profile
Free Light Chains	Zinc Transporter 8 Antibody
Folate	Virology - antenatal/fetal infection
Porphyrin (total)	Microbial Investigation
Fructosamine	Virology - anaemia investigation
FSH	Microbiology - avian precipitins
Urine Toxicology Screen	Virology - arthropathy
Glycosaminoglycans: creatinine ratio	Microbiology - ASO
Gas analysis	Microbial investigation - aspergillus IgG

Gamma GT	Virology - routine screens
Growth hormone	Microbial Investigation
Glucose	Microbial Investigation
Total HCG	Microbiology - Lyme disease
HMMA:creatinine ratio	Microbiology - whooping cough
High Sensitivity Troponin T (Roche)	Microbiology - brucella
HVA:creatinine ratio	Microbial Investigation
Immunoglobulin A	Microbial Investigation
Total immunoglobulin E	Faeces (Clostridium difficile testing only)
IGF 1	Virology - CMV antibodies
IGF Binding Protein 3	Virology - CMV avidity
IgG subclass	Microbiology - CNS infection
IgG Subclass 4	Microbiology - CNS infection
Immunoglobulins	Virology - rash contact
Lactate	Virology - asymptomatic COVID screen
Lamotrigine	Virology - asymptomatic COVID screen,
Lactate dehydrogenase	Microbiology - Q Fever
Liver function test	Microbial Investigation
LH	Microbiology - chlamydia and/or gonorrhoea
Lithium	Microbial Investigation
Lipid profile	Virology - EBV antibodies
Methaemoglobin	Microbiology - parasite microscopy
Magnesium	Microbiology - endocarditis serology
Misc Biochemistry	Virology - enterovirus
Misc Biochemistry	Microbial Investigation
Misc Biochemistry	Virology - imported febrile illness
Methylmalonic acid:creatinine ratio	Microbial Investigation
Manganese	Microbial Investigation
Ammonia	Virology - HIV test
NT pro BNP	Helicobacter pylori
Oestradiol	Helicobacter pylori
Osmolality	Microbiology - H. pylori serology
Procollagen 3NP	Virology - HTLV test
Paracetamol	Virology - opportunistic infection
Lead	Virology - opportunistic infection
Protein:creatinine ratio	Virology - opportunistic infection
Phenobarbitone	Virology - opportunistic infection
Inorganic phosphate	Virology - sexual health
Porphyrin screen	Microbiology - legionella
Progesterone	Microbiology - leptospirosis
Prolactin	Microbial investigation - cryptococcus
PSA	Microbial investigation - cryptococcus
Selenium	Microbial Investigation

Parathyroid hormone	Microbiology-Meningococcal/pneumococcal PCR
Phenytoin	Microbial Investigation [Molecular]
Post-Vasectomy	Microbial Investigation
Rheumatoid factor	Virology - mumps diagnosis
Renin activity	Virology - mumps diagnosis
Rifampicin	Microbial Investigation
Salicylate	Microbial investigation - other fungal / mycology
Sex Hormone Binding Globulin	Microbial investigation - other fungal / mycology
Fertility	Microbial investigation - other fungal / mycology
Sp IgE to Other	Microbiology - mycoplasma antibodies
Calculi analysis	Microbial Investigation
Stored sample	Microbial Investigation
Electrolytes	Virology - OBI2022
Tacrolimus	Virology - OBI2022
Testosterone	Microbiology - PCP/PJP
Thyroid function test	Microbiology - PCP/PJP
Thyroglobulin	Microbiology - pneumococcal antigen
Theophylline	Microbial Investigation
Thiopurine Metabolites	Virology - respiratory symptoms
Thiopurine methyl transferase	Virology - respiratory symptoms
Thyroid peroxidase IgG Ab	Virology - respiratory symptoms,
Tryptase	Virology - respiratory symptoms,
Tissue Transglutaminase IgA	Microbiology - parasite microscopy
Amino acids	Microbial Investigation
Bence Jones' Protein screen	Microbial Investigation
24 hour Calcium output	Microbial Investigation
Calcium:creatinine clearance	Microbial Investigation
24 hour Citrate output	Microbial Investigation
Citrate:creatinine ratio	Microbiology - syphilis
24 hour Free cortisol output	Microbiology - syphilis
24 hour Copper output	Microbial Investigation
24 hour Cystine output	Microbial Investigation
Electrolyte Profile	Microbiology - toxoplasma
24 hour 5-HIAA output	Microbiology - toxoplasma
24 hour Metadrenaline profile	Microbiology - toxocara
24 hour Magnesium output	Microbial Investigation
Magnesium:creatinine ratio	Microbial investigation_
Organic acids	Virology - antenatal/fetal infection
Osmolality	Virology - antenatal screen
24 hour Oxalate output	Virology - neonatal/congenital
Oxalate:creatinine ratio	Virology - neonatal/congenital

Phosphate:creatinine ratio	Virology - neonatal/congenital
Porphyrin (total)	Microbiology - chlamydia and/or gonorrhoea
Pregnancy screen	Virology - eye infection
24 hour Protein output	Virology - eye infection
Urate	Virology - GI infection
Urea	Virology - hepatitis diagnosis
24 hour Electrolytes output	Virology - hepatitis follow up PCR
Urea and electrolytes	Virology - hepatitis follow up serology
24 hour urate output	Virology - HIV follow up
Urate:creatinine ratio	Virology - glandular fever (EBV / CMV)
Sodium valproate	Virology - needlestick injury
Vitamin D Immunoassay	Virology - additional / special request
Very Long Chain Fatty Acids	Virology - rash diagnosis
Zinc	Virology - rash diagnosis
International normalised ratio (INR)	Virology - rash diagnosis
International normalised ratio (INR) dose	Microbiology - Whipple's disease
Antenatal Screen haematology	Microbiology - parasite serology
APTT	Microbial Investigation
Coagulation screen	Microbial Investigation
DDimer	