

<b>BENCHMARKING IN PATHOLOGY QA PROGRAM</b>	
<b>TEST LIST</b>	
<b>Ordered by Discipline</b>	
Version identified as:	
7 December 2009 - SP	
<b>TEST CODE</b>	<b>TEST NAME</b>
10	Specimen Count for MTAAs
	<b>HISTOPATHOLOGY</b>
184	Post mortem, support for external pathologist
185	Non-post mortem admissions/discharges
186	Organ harvesting
187	Viewings
208	Case review (includes slide review), review and report in consultation
209	Post mortem, limited
210	Post mortem, routine
211	Post mortem, high infectious risk
212	Post mortem, paediatric
213	Post mortem, perinatal (including placenta)
214	Post mortem, small fetal (including placenta)
215	Post mortem, specialist neuropathological (adult, paediatric or perinatal)
216	Immunohistochemical - IF or IP - 1 to 3 antibodies
217	Immunohistochemical - IF or IP - 4 to 6 antibodies
218	Electron microscopy - 1 specimen
219	Electron microscopy - 2 or more specimens
220	Frozen section - 1 specimen
221	Frozen section - 2 to 4 specimens
222	Frozen section - >= 5 specimens
224	Forensic (suspicious death, or similar non-routine) Post mortem
230	Immunohistochemical - IF or IP - 7 to 10 antibodies
231	Immunohistochemical - IF or IP - 11 or more antibodies
321	AP Complexity level 2, 1 or more separately identified specimen(s)
331	AP Complexity level 3, 1 separately identified specimen(s)
332	AP Complexity level 3, 2-4 separately identified specimen(s)
335	AP Complexity level 3, 5 or more separately identified specimen(s)
341	AP Complexity level 4, 1 separately identified specimen(s)
342	AP Complexity level 4, 2-4 separately identified specimen(s)
345	AP Complexity level 4, 5-7 separately identified specimen(s)
348	AP Complexity level 4, 8-11 separately identified specimen(s)
349	AP Complexity level 4, 12-17 separately identified specimen(s)
350	AP Complexity level 4, 18 or more separately identified specimen(s)
351	AP Complexity level 5, 1 or more separately identified specimen(s)
361	AP Complexity level 6, 1 or more separately identified specimen(s)
371	AP Complexity level 7, 1 or more separately identified specimen(s)
	<b>BACTERIOLOGY/MYCOLOGY/PARASITOLOGY</b>
1001	Urine - routine microscopy and culture
1002	Urine - microscopy only or urinalysis only
1003	Fluids - bacterial antigen(s)
1004	Blood culture - routine (adult)
1005	Blood culture - mycobacterial
1006	Sputum culture - routine
1007	Sputum culture - cystic fibrosis

1008	Invasive respiratory (incl. induced sputum) - bronchalveolar lavage, brush, washings - additional cultures- mycobacteria, fungal, viral, Legionella, Pneumocystis
1009	Faeces - bacterial culture & Micro
1009	1. routine (salmonella, shigella, campylobacter)
1009	2. additional media for yersinia, vibrios and/or EHEC (eg watery, bloody stool or immunocompromised patient)
1010	Faeces - ova, cysts parasites (microscopy, direct+/-concentrate)
1011	Faeces - clostridium difficile toxin
1012	Genitourinary - STD; cervical, urethral swabs - Gram stain; gonococcal culture; Trichomonas
1013	Genitourinary - antenatal - group B strep
1014	Genitourinary - eg vaginal discharge, vaginal swab - Gram stain and aerobic culture, Diamine oxidase (vaginal secretion).
1015	Genitourinary - semen culture
1016	Swabs (including catheter tips) - with/without Gram stain; aerobic culture only
1017	Pus - Gram stain; aerobic/anaerobic culture
1018	Tissues - Gram stain ; aerobic/anaerobic culture
1019	Fluids - (add 1023 if required)
1019	1. basic - cell count; Gram stain, aerobic culture
1019	2. extra - cell count; Gram stain, aerobic/anaerobic culture. Includes csf antigens
1020	Chlamydia - antigen (EIA; IF)
1021	Chlamydia - culture
1023	Mycobacterium testing - including acid fast stain
1024	Mycobacterium testing - preliminary identification (probe or NAP test). Includes TB identifications (PCR) and TB positive work-up
1026	Fungal stain & culture - skin scrapings (dermatophytes)
1027	Fungal stain & culture - tissues; swabs; etc
1028	Legionella testing - direct fluorescent antigen (DFA) test; culture
1029	Bordetella pertussis testing - DFA; culture
1030	Infection control swabs (patient screening) - MRSA/VRE etc
1031	Blood culture - fungal
1032	Helicobacter pylori - urease testing
1033	Anaerobic culture
1034	Darkground microscopy
1035	Biological antibiotic assays
1036	Detection of Pneumocystis carinii (not culture)
1038	Mycoplasma/ureaplasma cultures
1041	Cultures received for identification
1041	1. Aerobic bacteria
1041	2. Anaerobic bacteria
1041	3. Mycobacteria
1041	4. Fungal
1041	5. Viral
1043	Culture of parasite/protozoa (eg Entamoeba, Trichomonas, Leishmania, Acanthamoeba)
1044	Harada culture
1045	Parasite (eg worm) identification
1046	Culture received for serotyping
1046	1. Salmonella
1046	2. Pneumococcus
1046	3. Haemophilus influenzae
1046	4. Neisseria meningitidis
1046	5. E coli
1047	Slide for Gram Stain only
1048	N gonorrhoeae susceptibility testing
1049	Bacterial Group 16S RNA (NAA)

1051	Scabies
1052	Sterility testing (Pharmacy products)
1053	Air sampling, settle plate, exposure & count
1054	Mycology antigens (including cryptococcus, aspergillus, candida)
1055	Mycology antibody tests (including aspergillus, candida, Avian, Farmers lung)
1056	Dimorphic fungal antibody tests (including blastomyces, coccidioides, Histoplasma)
1057	Antifungal Susceptibility Test
1058	Botulinal Toxin
1059	Air sampling with follow up fungal identification
	<b>CLINICAL CHEMISTRY/PHARMACOLOGY</b>
2001	1,25-dihydroxyvitamin D
2004	25-hydroxyvitamin D
2005	5-fluorocytosine
2006	Acetoacetate
2007	Acid phosphatase
2008	Acid phosphatase - prostate specific
2009	Adrenaline
2010	Adrenocorticotrophic hormone
2011	Albumin - urine (microalbumin)
2013	Aldosterone
2014	Alkaline phosphatase - isoenzymes
2015	Alpha 1 - acid glycoprotein
2016	Alpha 1 - antitrypsin
2017	Alpha 1 - antitrypsin phenotype
2018	Alpha 2 - macroglobulin
2019	Alpha fetoprotein - serum
2020	Aluminium
2021	Amikacin
2022	Amino acids - qualitative
2023	Amino acids - quantitative
2024	Amiodarine
2025	Amitriptyline + nortriptyline
2026	Ammonia
2027	Amylase
2030	Androstenedione
2031	Angiotensin converting enzyme
2032	Antimony
2033	Apolipoprotein A
2034	Apolipoprotein B
2037	Arsenic - hair or nail
2038	Arsenic - urine
2039	Vitamin C (ascorbate)
2040	Barbiturate - qualitative
2041	Barbiturate - quantitative
2042	Bence Jones protein
2043	Beta hydroxybutyrate
2044	Bile acids
2045	Bilirubin - conjugated
2046	Bilirubin - neonatal
2047	Bilirubin - urine
2048	Hydrogen - breath
2049	Bromide
2052	c-Peptide
2053	c-Reactive protein
2054	C1 esterase inhibitor - functional

2055	C1 esterase inhibitor - quantitative
2056	CA 125
2057	CA 15.3
2058	CA 19.9
2059	Cadmium
2060	Caeruloplasmin
2061	Calcitonin
2062	Calcium - ionised
2063	Calcium - total
2064	Calcium - urine
2065	Calculus - biliary
2066	Calculus - renal
2067	Carbamazepine
2068	Carboxyhaemoglobin - cooximetry
2069	Carboxyhaemoglobin - spectroscopic
2070	Carcinoembryonic antigen
2072	Carnitine
2073	Carotene
2074	Catecholamines - urine
2078	Chloride - sweat
2079	Chloroquine
2080	Chlorpromazine
2081	Cholesterol
2084	Cholinesterase - red cell (acetyl)
2085	Cholinesterase - serum (pseudo)
2086	Chromium
2087	Chromium - urine
2088	Chymotrypsin - faeces
2089	Citrate
2090	CK isoenzymes - electrophoresis
2091	CK-MB
2092	Clobazam
2093	Clomipramine
2094	Clonazepam
2095	Neuroleptic Agents
2096	Cobalt
2098	Complement C3
2099	Complement C4
2100	Copper - tissue
2101	Copper
2102	Cortisol
2103	Cortisol - urine, free
2104	Creatinine - urine
2105	Cyclic AMP
2106	Cyclosporin A
2107	Cyrofibrinogen - qualitative
2108	Cyrofibrinogen - quantitative
2109	Cystine - qualitative
2110	Cystine - quantitative
2111	Dexamethasone
2112	DHEA sulphate
2113	Diazepam
2114	Digoxin
2115	Dihydrotestosterone
2116	Disaccharidases
2117	Disopyramide

2118	Dopamine
2119	Dothiepin
2120	Doxepin hydrochloride
2121	Drug screen - abuse
2122	Drug screen - overdose
2125	EPG - urine
2126	Ethanol
2127	Ethosuximide
2128	Ethylene Glycol
2130	Fats - faeces
2132	Fatty acids - total, free
2133	Ferritin
2135	Flecainide
2136	Flucloxacillin
2139	Follicle Stimulating Hormone (FSH)
2140	Fructosamine
2141	Galactose
2142	Galactose -1 - phosphate uridyl transferase
2143	Gases - blood
2144	Gastrin
2145	Gentamicin
2146	Glucagon
2147	Glucosaminoglycans - qualitative
2148	Glucose
2151	Glutathione Peroxidase
2152	Glutathione Reductase
2153	Glycosaminoglycans - electrophoresis
2154	Gold
2156	Haemoglobin - faeces, chemical
2157	Haemoglobin - faeces, immunological
2158	Haemoglobin - urine
2159	Haemoglobin A1c
2161	Haptoglobins
2162	HCG - qualitative (includes "Pregnancy Test")
2163	HCG - quantitative (includes any of total, intact, free Bchain, etc)
2165	HDL Cholesterol
2166	HMMA (VMA)
2167	Homovanillic acid
2168	Human growth hormone
2169	Hydroxy Indole Acetic Acid
2171	Hydroxyproline
2172	Imipramine + desipramine
2173	Insulin
2174	Insulin like growth factor 1, IGF-1
2175	Iron
2176	Iron - tissue
2177	Ketones - semiquantitative
2178	Lactate
2180	LD (Lactate-Dehydrogenase)
2181	LD Isoenzymes
2182	Lead
2185	Lignocaine
2186	Lipase
2187	Lipoprotein (a)
2188	Lipoprotein Electrophoresis
2189	Lithium

2190	Luteinising hormone
2191	Magnesium
2192	Manganese - urine
2193	Manganese
2195	Mercury
2196	Mercury - urine
2197	Metanephrine
2198	Metanephrines - urine, total
2199	Methadone
2200	Methaemalbumin
2201	Methaemoglobin - co-oximetry
2203	Methanol
2204	Methotrexate
2206	Mexiletine
2207	Mianserin
2208	Molybdenum
2209	Myoglobin
2211	Neuron Specific Enolase
2212	Nickel
2213	Nitrazepam
2214	Noradrenaline
2215	Normetanephrine
2216	Nortriptyline
2217	OD 450
2218	Oestradiol
2220	Oligoclonal proteins - CSF
2221	Organic acids
2222	Orotic acid
2223	Osmolality
2225	Osteocalcin
2226	Oxalate - urine
2227	Oxazepam (Specific Procedure)
2229	Paracetamol - qualitative
2230	Paracetamol - quantitative
2232	Parathyroid Hormone
2233	Parathyroid Hormone Related Protein (PTHrP)
2235	Perhexiline
2236	pH
2237	Phenobarbitone
2239	Phenylalanine
2240	Phenytoin
2241	Phosphate
2242	Phosphate - urine
2243	Platinum
2244	Porphobilinogen - urine
2245	Porphyryns - faeces, quantitative
2246	Porphyryns
2247	Red Cell Porphyryns
2248	Porphyryns - urine, qualitative
2249	Porphyryns - urine, quantitative
2250	Prealbumin
2251	Primidone
2253	Progesterone
2254	Prolactin
2256	Prorenin
2257	Prostate specific antigen

2258	Protein - CSF
2259	Protein
2260	Protein - urine, total
2261	Protein Electrophoresis
2262	Pyruvate
2265	Quinidine
2266	Quinine
2267	Reducing Substances - faeces, urine
2268	Renin
2270	Retinol Binding Protein
2271	Riboflavin
2272	Salicylates
2273	Selenium
2274	Serotonin
2275	Sex hormone binding globulin
2276	Snake venom detection
2277	Sodium - sweat
2278	Sotalol
2280	Sundry Atomic Absorption (Strontium, Titanium, Vanadium)
2281	Sulphaemoglobin - Cooximetry
2283	Sulthiame
2284	Teicoplanin
2285	Testosterone
2286	Thallium
2287	Theophylline
2288	Thiamine
2289	Thiocyanate
2290	Thioridazine
2291	Thyroglobulin
2293	Thyroxin - free
2295	Thyroxine Binding Globulin
2296	Tobramicin
2297	Transferrin
2298	Transferrin Isoforms
2299	Transketolase
2300	Triglycerides
2301	Triiodothyronine - free
2303	Trimipramine
2306	TSH
2307	Urate
2308	Urate - urine
2309	Urea - urine
2310	Urobilinogen - urine
2311	Valproate
2312	Vancomycin
2313	Vasoactive Intestinal Peptide
2314	Vasopressin
2315	Viscosity
2316	Vitamin A
2317	Vitamin B12
2318	Vitamin D
2319	Vitamin E
2320	White Cell Enzymes Studies unclassified
2322	Zinc - urine
2323	Zinc protoporphyrin
2324	Albumin

2325	AP (alkaline phosphatase)
2326	ALT (alanine aminotransferase)
2327	AST (aspartate transaminase)
2328	Bicarbonate
2329	Bilirubin - total
2330	Chloride
2331	Creatinine
2332	GGT (gamma-glutamyl transpeptidase)
2333	Potassium
2334	Sodium
2335	Urea
2336	Pyridinium crosslinks (pyridinoline & hydroxy pyridinoline)
2337	Fructose - 1 - phosphate aldolase
2338	11-deoxycortisol
2340	Adenosine deaminase
2341	Alpha 1 - antitrypsin (faeces)
2342	Alpha 1 - antitrypsin genotype
2343	Alpha fetoprotein - amniotic fluid
2344	Alpha subunit (pituitary glycoprotein) - free
2345	Amphetamine
2346	Amylase isoenzymes
2347	Apolipoprotein E genotype
2348	Red Cell AST (aspartate transaminase)
2349	Benzodiazepines
2350	Bilirubin - amniotic fluid
2351	Biotinidase
2352	Caffeine
2354	Carthitics (laxatives) screen
2355	Cholinesterase - amniotic fluid (acetyl)
2356	Cotinine
2358	Diuretics
2360	Gabapentin
2361	Galactokinase
2362	Galactose - 1 - phosphate
2363	Glycerol
2366	Homocysteine
2367	Drug screen - oral hypoglycaemic
2368	Itranidazole
2370	Lamotrigine
2371	Magnesium - urine
2375	Mucopolysaccharides
2378	Opiates
2381	Pethidine
2382	Porphobilinogen deaminase
2383	Prednisolone
2389	Sulphamethoxyazole
2390	Testosterone - free
2391	Thiopentone
2392	Tricyclic screen
2393	Trimethoprim
2394	TSH binding inhibiting immunoglobulins index
2395	UDP galactose 4 epimerase
2396	Fatty acids - very long chain
2397	Vigabatrin
2398	Wafarin
2399	Zinc

2400	Metabolic screen
2401	CK (creatine kinase)
2402	Troponin T
2404	DHEA
2409	Xanthochromia
2411	Glucose - urine
2412	Alpha 1 - microglobulin, urine
2414	Anti Viral Drugs
2416	Carbamazepine - free
2417	Phenytoin - free
2418	Valproate - free
2421	Oligosaccharides
2422	Salicylate Screen
2423	Specific Gravity
2425	Insulin like growth factor 11, IGF-11
2426	Insulin like growth factor BP1, IGF-BP1
2428	Insulin like growth factor BP3, IGF-BP3
2430	Pku Screen
2431	Galactosemia Screen
2432	Urinalysis Dipstix
2433	Cannabinoids - qualitative
2434	Cocaine - qualitative
2435	Semen freezing
2436	Semen washing for AI
2437	Fetal Lung maturity (FLM)
2438	Tryptase
2440	Histamines – Blood/Urine (Urine & Timed Urine Histamines)
2441	Busulphan
2443	Faecal Sugar Chromatography
2444	Urine Sugar Chromatography
2445	Melphalan
2452	Red Cell AK (Adenylate Kinase)
2453	Red Cell GPI (Glucose Phosphate Isomerase)
2454	Red Cell Hexokinase
2455	Red Cell PFK (Phospho Fructo Kinase)
2456	Red Cell TPI (Triose Phosphate Isomerase)
2457	17-hydroxyprogesterone (blood spot)
2458	17-hydroxypregnenelone
2459	Deoxycorticosterone
2460	Pro-insulin
2461	Anti thyroperoxidase
2462	Tacrolimus
2463	Vitamin B6 (Pyridoxal)
2467	Reverse T3
2469	TSD carrier screen (by enzyme, with or without additional molecular analysis)
2470	Urinary Acid Load Test
2471	Urinary Microscopy for CASTS
2473	Iron - urine
2474	d-ALA - urine, quantitative
2477	Sweat Conductivity
2479	Red Cell DPGM (Di Phospho Glycerate Mutase)
2480	Red Cell PGK (Phospho Glycerate Kinase)
2481	Mycophenolic acid
2483	Vitamin K (NOT by INR)
2485	Temazepam
2488	Arsenic

2489	NTX - N-Terminal Telo-peptide of Type 1 Collagen
2490	Troponin I
2491	Catecholamines
2492	GFR using radio-isotopes (includes both procedure, collection and lab components)
2493	Soluble Transferrin Receptor (STFR)
2502	Chromogranin A
2504	Cystatin C
2505	Iodine - urine
2506	Thiopurine Methyltransferase
2507	Procalcitonin (PCT)
2508	First Trimester Biochemical Screening (includes free-bHcg & PAPP-A)
2509	Copper - urine
2511	ECP - Eosinophilic Cationic Protein
2512	BNP/ProBNP (B type Natriuretic Peptide)
2513	PSA (Prostate Specific Antigen) - free
2514	6-mercaptopurine (6-MP)
2515	Elastase - faeces
2517	Sirolimus
2518	P1NP – Type 1 Procollagen N-Terminal peptide
2519	Second Trimester Screening
2520	Menopause enzyme test
2522	Potassium - urine
2523	Sodium - urine
2524	Everolimus
	<b>CYTOGENETICS</b>
3001	Amniotic fluid culture and cytogenetics
3002	Blood culture and cytogenetics
3003	Bone marrow / leukemic blood culture and cytogenetics
3004	Short-term CVS culture and cytogenetics
3005	Long-term CVS culture and cytogenetics
3008	Malignant effusion culture and tumor culture and cytogenetics
3010	Tissue culture for transport or cryopreservation only
3011	Cell culture and cytogenetics for chromosomal instability syndromes
3012	Interphase FISH 1-3 probe
3013	Non-prenatal Interphase FISH > 3 probe (22q studies, trisomy 21 exclusion using 13/21, rapid sexing using 18/X/Y, BCR/ABL )
3014	Prenatal Interphase 5 probe (Aneuvysion or equivalent)
3015	Metaphase FISH, single probe (includes - Centromeric / Single telomere / Microdeletion
3016	mFISH /SKY, CGH
3017	All subtelomere FISH screen
	<b>CYTOLOGY</b>
4001	Cytology smears cervix/vagina
4002	Body fluids including cyst fluids, peritoneal, pleural, bladder, Cytology clot, other
4003	Cell block preparation - any source
4004	FNA
4005	Nipple discharge
4006	Semen analysis
4007	CSF for cytology
4011	Sputum for cytology (BW, BB, BAL)
4014	Other non-gynae smears; nasal, oesophageal, etc
4015	FNA (pathologists included in collection)
4016	FNA (with cytologist but no pathologists physically attending in collection)
4017	Semen Analysis - Post Vasectomy
4018	Sperm Chromatin Structure Assay (SCSA)

	<b>HAEMATOLOGY</b>
5001	Alpha 2 antiplasmin
5003	Anti thrombin III factor
5005	Antifactor X a
5006	APC resistance
5007	APTT
5008	APTT Mixing
5009	Auto Haemolysis
5011	Blood Film (for parasites - Sudan Black Stain, Malaria Screen (species), PAS Stain Haematology, Acid Phos Stain, Peroxidase & Esterase, Manual Diff) - Note#1: This item is *not* routine blood film
5013	BM/PBSC reinfusion
5014	Bone marrow aspirate (Sudan Black Stain; PAS Stain Haematology, Acid Phos Stain, Peroxidase & Esterase)
5015	Bone marrow harvest
5017	Bone marrow trephine
5018	Cell count (misc fluid)
5021	Cord blood harvest and cryopreservations
5024	Cryoglobulin
5025	Cryohaemolysis
5026	Cytospin - CSF
5029	Erythropoietin
5030	ESR
5031	Euglobulin clot lysis time
5032	Factor II
5033	Factor V
5034	Factor VII
5035	Factor VIII Ag
5036	Factor VIII C
5037	Factor VIII inhibitor assay (Coagulation inhibitor screen)
5038	Factor IX
5039	Factor IX inhibitor (Coagulation inhibitor screen)
5040	Factor X
5041	Factor XI
5042	Factor XII
5043	Factor XIII
5044	Faecal blood loss
5045	<b>FBC (automated only)</b>
5046	FDP / D-Dimer (Simplified D dimer)
5048	Fibrinogen
5049	Folate
5050	G6PD screen and quantitation
5053	Ham's test
5054	Hb electrophoresis
5055	Hb F quantitation
5056	Hb S Solubility
5057	Heinz bodies
5058	Heparin assay
5059	HITTS Screen
5061	Intrinsic factor antibody
5062	Iso propanol stability
5066	Lupus antibody screen
5067	Lysozyme/muranidase
5068	Monospot
5069	Neutrophil alkaline phosphatase

5070	Osmotic fragility
5071	Packed cell volume
5072	Plasma cell labelling index
5073	Plasma Hb
5074	Plasma viscosity
5075	Plasminogen
5076	Plasminogen activator inhibitor
5077	Platelet aggregation (each aggregant)
5079	Platelet count (not by automated cell counter)
5082	Platelet factor 3 availability
5085	Post natal anti-D level
5086	Protein C
5087	Protein S
5088	Prothrombin F1 + 2
5089	Prothrombin time - echis time
5090	Prothrombin time - mixing tests
5091	Pyruvate kinase
5093	Red cell folate
5096	Red cell volume, Plasma volume
5097	Reptilase time
5098	Reticulocyte count
5100	Schumms test
5101	Sickle cell test
5103	Sucrose Lysis
5104	Sugar water screen
5106	Thalassemia screen (Foetal Hb detection, HbA2 quantitation, HbH quantitative/qualitative, PBSC cryopreservation)
5107	Thrombin time
5108	Thrombotest
5110	Urinary haemosiderin
5111	Von Willebrand Factor activity (Collagen binding assay)
5112	Von Willebrand Factor antigen
5113	Von Willebrand Factor multimers
5114	Whole Blood Viscosity
5116	Acidified glycerol lysis test
5119	Haemoglobin H inclusion bodies
5122	Tissue plasminogen activator
5124	Prothrombin time/INR
5126	DIC screen
5133	VWF activity (ristocetin cofactor)
5134	Thrombin anti thrombin (TAT)
5136	CFU-GM
5138	Haemoglobinopathy investigation (specify method)
5139	Malarial parasites
5145	Prekallekrein Factor
5148	Hb Total (performed on a blood gas analyser and separately reported as Hb, and NOT part of/reported in any other test eg Blood Gases or FBC)
5149	Platelet Function Test (PFA-100) or similar
5150	FBC with manual differential
	<b>BLOOD BANK</b>
5500	Receiving Blood Component or Product
5501	Thawing of Plasma/Cryo
5502	Blood products issue
5503	Blood Component/Product Expiry
5504	Blood product stock control / Daily stock counts (x WVU/unit or product)

5505	Irradiation of blood product at receiving laboratory
5510	Cross match (per Unit cross-matched)
5511	Platelet crossmatch
5512	Component Allocation (Platelets, Fresh Frozen Plasma, Cryoprecipitate)
5515	Blood group
5516	Antibody Screen
5517	Bag Group Check
5518	Group Check - patient
5520	Antibody titration ( <i>includes Cold agglutinin testing</i> )
5521	Platelet antibody
5523	Antibody Elution
5524	Autoantibody adsorption
5525	Antibody identification by any method
5528	Direct Antiglobulin Testing
5529	Donath landsteiner antibody - direct and indirect
5530	Granulocyte antibody
5531	HLA antibodies
5532	Haemolysis screen
5533	Red cell phenotype
5534	Bone marrow stem cell cryopreservation(Marrow cell cult (CFUGM assay,PBSC cryopreservation)), apheresis
5536	Cord blood (ABO, Rh & Direct antiglobulin test)
5537	Kleihauer test
5538	Suspected Tx reaction Investigation
5539	Isohaemagglutinins
	<b>IMMUNOLOGY - See also 8000-series for some HIV tests</b>
6002	Anti-acetylcholine receptor antibody
6003	Anti-adrenal antibody
6004	Anti-cardiac muscle antibody
6005	Anti-cardiolipin antibody
6006	Anti-DNA antibody
6007	ENA screen
6008	ENA specific
6009	Anti-endomysial antibody
6010	Anti-ganglioside antibody
6011	Anti-gastric parietal cell antibody
6012	Anti-gliadin antibody
6013	Anti-glomerular basement membrane antibody
6015	Anti-HIV antibody
6016	Anti-insulin antibody
6018	Anti-islet cell antibody
6019	Anti-liver kidney microsomal antibody
6020	Anti-lymphocyte antibody
6021	Anti-mitochondrial antibody
6024	Anti-neurone antibody
6025	Anti-neutrophil cytoplasmic antibody
6026	Anti-nuclear antibody,(Autoantibody Screen)
6027	Anti-ovarian antibody
6029	Anti-pneumococcal antibody
6031	Anti-reticulin antibody
6032	Anti-salivary gland duct antibody
6033	Anti-skeletal muscle antibody
6034	Anti-skin basement membrane antibody
6035	Anti-skin intracellular substance antibody
6036	Anti-smooth muscle antibody

6037	Anti-tetanus antibody
6038	Anti-thyroid antibody
6041	Beta-2-microglobulin
6042	C3 nephritic factor
6047	Cytokine assays
6051	Anti-GAD antibody
6058	IgD
6059	IgE
6060	IgE specific allergens (IgG RAST)
6061	Immunoglobulins, (Ig GAM)
6062	Interferon gamma
6063	Anti-keratin antibody
6067	Lymphocyte stimulation (antigen)
6068	Lymphocyte stimulation (mitogen)
6070	Mantoux test
6071	Natural kill cell assay
6072	Neutrophil function tests
6073	Paraprotein typing IEP/IF:serum
6074	Paraprotein typing IEP/IF:urine
6075	Rheumatoid factor
6076	Salivary immunoglobulins IgA
6081	Tissue typing
6082	TNF alpha
6083	Total haemolytic complement, CH100
6085	CASA
6086	Anti-cerebellum/cerebrum (Hu, Yo, Ri)
6087	Anti-histone antibody
6090	Complement 2
6091	Complement 5
6092	Complement 7
6093	Complement 8 - Aspergillus antibodies
6094	Complement 9
6095	DNA ploidy studies
6096	IgG subclass quantitation
6097	P24 antigen
6098	TSH receptor antibody
6099	Sperm antibody
6102	CSF immunoglobulin (examination oligoclonal)
6103	Anti-intrinsic factor antibody
6104	PCR
6105	IgA (urine)
6108	C1q
6111	Compliment 6
6112	factor B
6113	factor H
6116	total alternative pathway
6118	Anti thyroglobulin
6120	Anti - Myeloperoxidase (ELISA)
6121	Synovial Fluid Rheumatoid Factor
6122	Synovial Fluid Crystals
6123	Antistreptolysin O (ASOT)
6124	Proteinase 3 specific ANCA (PR3)
6126	Anti-mitochondrial M2 antibody
6127	Anti Beta 2 glycoprotein
6128	Anti PR3 ELISA
6129	Anti-paraneoplastic pemphigus antibody

6131	Anti-Transglutaminase antibody
6132	Anti-Cyclic Citrullinated Peptide
6133	ASCA (Saccharomyces cerevisiae antibodies), IgG and IgA
6134	Haemophilus influenza B IgG antibody
6135	Free Light Chains (FLC)
	<b>FLOW CYTOMETRY</b>
6500	T cell subsets - CD3/4/8 only (Old code: 6079)
6501	T cell subsets +1
6502	T cell subsets +2
6503	T cell subsets +3
6504	T cell subsets +4 or more
6505	CD34 Quantitation - Dual platform (Old code: 5092)
6506	CD34 Quantitation - Single platform
6507	PNH Screen - Red cell evaluation
6508	PNH Screen - White cell evaluation
6509	HLA B27 Typing (Old code: 6054)
6510	Fetomaternal Haemorrhage - by Flow Cytometry
6511	Platelet Antibody Testing
6512	Leucocyte Immunophenotyping-miscellaneous samples (<6 markers)
6513	Leucocyte Immunophenotyping, PB/BM, Lymphoid Panel (>6 markers)
6514	Leucocyte Immunophenotyping-Fluids
6515	Leucocyte Immunophenotyping, PB/BM, Acute Leukemia Panel (>6 markers) (Old code: 6001)
6516	Leucocyte Immunophenotyping-Tissue (Old code: 6066)
	<b>MOLECULAR GENETICS</b>
7000	DNA extraction and storage, or DNA extraction and sendaway
7001	CF mutation analysis
7001	1. CF mutation analysis/carrier testing (1 mutation)
7001	2. CF mutation analysis/carrier testing (1 to 6 mutations, any technique)
7001	3. CF mutation analysis/carrier testing (7 or more mutations, any technique)
7001	4. Requiring Linkage studies
7001	5. Requiring quantitation, combinations of techniques or additional techniques
7002	Triplet repeat disorders (eg FRAXA, HD, MD, SCAs, FA, etc)
7002	1. PCR and simple gel
7002	2. Real time PCR
7002	3. Requiring Southern analysis
7002	4. Requiring DNA sequencing
7002	5. Requiring Linkage studies
7002	6. Requiring quantitation, combinations of techniques or additional techniques
7003	Muscular dystrophy (e.g Duchenne, Becker )
7003	1. PCR and simple gel
7003	2. Deletion screen
7003	3. PCR and Heteroduplex or SSCP and simple gel
7003	4. Southern analysis
7003	5. PCR and D-HPLC
7003	6. Real Time PCR
7003	7. Requiring DNA sequencing
7003	8. Requiring family linkage studies
7003	9. Requiring quantitation, combinations of techniques or additional techniques
7004	Mitochondrial disorders
7004	1. PCR and simple gel
7004	2. PCR, digestion plus simple gel
7004	3. PCR and Heteroduplex or SSCP and simple gel
7004	4. Requiring Southern analysis

7004	5. PCR and D-HPLC
7004	6. Real Time PCR
7004	7. Requiring DNA sequencing
7004	8. Requiring family linkage studies
7004	9. Requiring quantitation, combinations of techniques or additional techniques
7005	Hereditary Cancer Predisposition Genes
7005	1. PCR and simple gel
7005	2. PCR and Heteroduplex or SSCP and simple gel
7005	3. PCR Amplification of Specific Alleles
7005	4. D-HPLC
7005	5. Real Time PCR
7005	6. Microsatellite instability
7005	7. Requiring Southern analysis
7005	8. Protein Truncation Testing (from DNA)
7005	9. Protein Truncation Testing (from mRNA)
7005	10. Denaturing Gradient Gel Electrophoresis
7005	11. Chemical Cleavage of Mismatch
7005	12. DNA sequencing
7005	13. Requiring family linkage studies
7005	14. Requiring quantitation, combinations of techniques or additional techniques
7006	Prader-Willi/Angelman Syndromes
7006	1. PCR and simple gel
7006	2. Bisulphite modification, PCR and gel
7006	3. Requiring Southern analysis
7006	4. Mutation screening using any method in candidate genes
7006	5. Requiring quantitation, combinations of techniques or additional techniques
7006	6. PCR and D-HPLC, heteroduplex analysis or SSCP
7006	7. Real Time PCR
7007	Molecular genetic determination of sex
7007	1. PCR amplification and gel analysis of 1 or more loci
7007	2. Real Time PCR
7007	3. Requiring quantitation, combinations of techniques or additional techniques
7008	Molecular genetic determination of identity or familial relationship
7008	1. PCR amplification and gel analysis of microsatellite loci
7008	2. Southern analysis of VNTR minisatellites
7008	3. Oligonucleotide/filter hybridisation
7008	4. Requiring quantitation, combinations of techniques or additional techniques
7009	Mutation search (any gene, any number of mutations or variants)
7009	1. PCR and simple gel
7009	2. PCR and Heteroduplex or SSCP and simple gel
7009	3. PCR Amplification of Specific Alleles
7009	4. D-HPLC
7009	5. Real Time PCR
7009	6. Requiring Southern analysis
7009	7. Allele-specific hybridisation
7009	8. Protein Truncation Testing (from DNA)
7009	9. Protein Truncation Testing (from mRNA)
7009	10. Denaturing Gradient Gel Electrophoresis
7009	11. Chemical Cleavage of Mismatch
7009	12. DNA sequencing
7009	13. Requiring family linkage studies
7009	14. In vitro translation assay of gene product
7009	15. Requiring quantitation, combinations of techniques or additional techniques
7010	Analysis of a known mutation
7010	1. PCR and simple gel
7010	2. PCR and Heteroduplex or SSCP and simple gel

7010	3. PCR Amplification of Specific Alleles
7010	4. D-HPLC
7010	5. Real Time PCR
7010	6. Requiring Southern analysis
7010	7. Allele-specific hybridisation
7010	8. DNA sequencing (1 amplicon)
7010	9. In vitro translation assay of gene product
7010	10. Requiring quantitation, combinations of techniques or additional techniques
7011	Urgent DNA test or prenatal diagnosis
7011	1. Urgent DNA test or prenatal diagnosis of any gene by any method
	<b>METABOLIC</b>
7100	In vitro translation assay of gene product (any gene, any gene-product - specify name for purposes of statistical collation)
7101	Simple enzyme (any enzyme - specify name for purposes of statistical collation)
7102	Commercial substrate enzyme (any enzyme [except TSD carrier screen - see below] - specify name for purposes of statistical collation). Includes Alpha -1,4-Glucosidase and Branched Chain Ketoacid Dehydrogenases and Glycogen Storage Disease Enzymes
7103	In-house synthesised substrate (any enzyme - specify name for purposes of statistical collation)
7106	Metabolic disorder (using TLC, GC, HPLC or MS) of any metabolite not already specified in the Chemistry sections - specify name of disorder or metabolite for purposes of statistical collation.
7108	Metabolic disorder (using photometric techniques) of any metabolite not already specified in the Chemistry sections - specify name of disorder or metabolite for purposes of statistical collation
7109	Metabolic disorder (using isotope dilution) of any metabolite not already specified in the Chemistry sections - specify name of disorder or metabolite for purposes of statistical collation
7120	Bile alcohols
7121	Filipin stain
7122	Oligosaccharide analysis
7123	Sialic acid
7124	Urinary sulphatide
7125	Dynamic tracer studies in cultured cells
7126	Ischaemic forearm exercise test (state whether using lactate, ammonia, or other)
7127	Methylenetetrahydrofolate reductase (THFR)
	<b>HAEMATOLOGY MOLECULAR GENETICS</b>
7200	Thrombophilia (Factor V, Prothrombin and MTHFR)
7200	1. PCR, Heteroduplex/SSCP analysis and gel - Factor V gene
7200	2. PCR, Heteroduplex/SSCP analysis and gel - more than 1 gene
7200	3. PCR, enzyme digestion plus simple gel - Factor V gene
7200	4. PCR, enzyme digestion plus simple gel - more than 1 gene
7200	5. Allele specific PCR amplification - Factor V gene
7200	6. Allele specific PCR amplification - more than 1 gene
7200	7. Real Time PCR - Factor V gene
7200	8. Real Time PCR - more than 1 gene
7200	9. Requiring DNA sequencing - Factor V gene
7200	10. Requiring DNA sequencing - more than 1 gene
7200	11. Requiring additional techniques or combinations of techniques
7201	Haemochromatosis Testing (HFE)
7201	1. PCR, Heteroduplex/SSCP analysis and gel - C282Y, H63D
7201	2. PCR, enzyme digestion plus simple gel - C282Y, H63D
7201	3. Allele specific PCR amplification - C282Y, H63D

7201	4. Real Time PCR -C282Y, H63D
7201	5. Requiring DNA sequencing - C282Y, H63D
7201	6. Mutations in other iron metabolism genes (eg TFR2) by any technique
7201	7. Requiring additional techniques or combinations of techniques
7202	Clonality, Translocation or Rearrangement studies (e.g. T-cell, B-cell, lymphoid by PCR [DNA/RNA](or any other amplification system)
7202	1. PCR and simple gel
7202	2. Real Time PCR
7202	3. Nested PCR plus simple gel
7202	4. Requiring Southern analysis
7202	5. Methylation studies
7202	6. Requiring DNA sequencing
7202	7. Requiring reverse transcription PCR
7202	8. Requiring quantitation, combinations of techniques or additional techniques
7203	Alpha and Beta Thalassemia
7203	1. PCR and simple gel
7203	2. PCR and Heteroduplex or SSCP and simple gel
7203	3. PCR Amplification of Specific Alleles
7203	4. Real Time PCR
7203	5. Requiring Southern analysis
7203	6. DNA sequencing
7203	7. Requiring family linkage studies
7203	8. Requiring quantitation, combinations of techniques or additional techniques
7204	Haemophilia A and B
7204	1. PCR and simple gel
7204	2. PCR and Heteroduplex or SSCP and simple gel
7204	3. PCR Amplification of Specific Alleles
7204	4. Real Time PCR
7204	5. Requiring Southern analysis
7204	6. DNA sequencing
7204	7. Requiring family linkage studies
7204	8. Requiring quantitation, combinations of techniques or additional techniques
	<b>VIROLOGY/SEROLOGY MOLECULAR MICROBIOLOGY</b>
8001	Adenovirus antibodies
8002	Antenatal screen - rubella; hepatitis B; syphilis
8003	Barmah forest virus antibodies
8004	Brucella antibodies
8005	Chlamydia species antibodies
8006	Cytomegalovirus antibodies
8007	Enterovirus antibodies
8008	Epstein Barr virus antibodies
8009	FTA antibodies
8010	Hepatitis A antibodies ( IgG and IgM )
8011	Hepatitis B core antibodies
8012	Hepatitis B e antibodies
8013	Hepatitis B surface antibodies
8014	Hepatitis C virus antibodies
8015	Herpes simplex virus antibodies
8017	Human parvovirus antibodies
8018	Legionella pneumophila antibodies
8019	Leptospira antibodies
8020	Measles antibodies
8021	Mumps antibodies
8022	Mycoplasma pneumoniae antibodies
8023	Q fever antibodies

8024	Ross River antibodies
8025	RPR/VDRL antibodies
8026	Rubella antibodies
8027	Streptococcal serology
8028	Toxoplasma antibodies
8029	TPHA antibodies
8030	Treponema pallidum antibodies
8031	Varicella zoster virus antibodies - IF VZV (TVZV)
8032	Viral antigen test - faeces
8033	Viral antigen test - respiratory
8034	Viral antigen test - serum
8035	Viral antigen test - vesicle/ulcer
8036	Viral culture - (ID with IF) [WASI]
8036	1. If Respiratory virus negative (RSPN)
8036	2. If Respiratory virus positive (RSP)
8036	3. If miscellaneous (TIMF)
8037	DNA/RNA, Enterovirus
8038	DNA/RNA, Hepatitis C (HCV)
8039	DNA/RNA, Human immunodeficiency virus (HIV) viral load
8040	DNA/RNA, Herpes simplex virus
8042	Helicobacter pylori antibodies
8043	TB serology eg Quantiferon Gold
8044	DNA/RNA, Bordetella pertussis
8045	DNA/RNA, Chlamydia trachomatis
8046	DNA/RNA, Staphylococcal mecA (Methicillin resistance) (compare 8145)
8047	DNA/RNA, Mycobacterium including M. tuberculosis
8048	Hepatitis B e antigen
8049	Hepatitis B surface antigen
8050	Helicobacter pylori - breath test
8051	Influenza A + B antibodies
8059	Diphtheria antibodies
8062	Flavivirus antibodies
8063	Dengue antibodies
8067	Parainfluenza 1, 2 & 3 antibodies
8068	Chlamydia genus antibodies
8069	RSV antibodies
8070	Paul Bunnell antibodies
8072	HHV6 antibodies
8073	Delta antibodies
8074	Hepatitis E antibodies
8076	Anti-staphylolysin antibodies
8077	Widal antibodies
8078	Rickettsia antibodies
8079	Yersinia antibodies
8080	Legionella (Poly) antibodies
8081	Bordetella antibodies, (Pertussis), IgA, IgG and/or IgM
8082	Lyme antibodies
8083	Melioidosis antibodies
8084	Tetanus antibodies
8085	Pneumooccal antibodies
8087	Entamoeba antibodies
8088	Filaria antibodies
8089	Toxocara antibodies
8090	Strongyloides antibodies
8091	Hydatid antibodies
8092	Leishmania antibodies

8093	DNA/RNA, Adenovirus
8094	DNA/RNA, Adenovirus 40/41
8095	DNA/RNA, Chlamydia / N gono
8096	DNA/RNA, Chlamydia pneu
8097	DNA/RNA, CMV
8098	DNA/RNA, Corona
8099	DNA/RNA, EBV
8100	DNA/RNA, Hepatitis B
8101	DNA/RNA, Hepatitis B precore
8103	DNA/RNA, HHV6 B
8104	DNA/RNA, HHV7
8105	DNA/RNA, HHV8
8106	DNA/RNA, HIV 1&2
8107	DNA/RNA, HSV
8108	DNA/RNA, HTLV 1
8111	DNA/RNA, MVE
8112	DNA/RNA, N. gonorrhoea
8114	DNA/RNA, Parovirus B19
8115	DNA/RNA, Ross River
8116	DNA/RNA, RSV
8117	DNA/RNA, Rubella
8118	DNA/RNA, Toxoplasma
8119	DNA/RNA, Treponema pallidum
8120	DNA/RNA, Varicella zoster
8122	Baronella henselae (cat scratch disease) antibodies
8128	Malaria antibodies
8129	Schistosomiasis antibodies
8133	HSV Western Blot
8134	Lyme disease Western Blot
8135	HIV Western Blot
8136	HCV Western Blot
8139	DNA/RNA, Mycoplasma pneumoniae
8140	DNA/RNA, Mycoplasma (cell culture testing)
8141	DNA/RNA, Bartonella henselae (cat scratch disease)
8142	DNA/RNA, Corynebacterium diphtheriae toxin
8143	DNA/RNA, E coli toxin
8146	Pulse field gel electrophoresis (eg Staphylococcus) - for ID or typing
8150	HIV genotyping
8151	DNA/RNA sequencing for ID or typing
8152	Hepatitis C viral load
8153	CMV viral load
8156	DNA/RNA, Human Papilloma Virus
8157	Direct Immunoflorescence for T.pallidum,
8159	HTLV 1/2 antibody,
8160	Neisseria meningitidis antibody,
8162	Campylobacter Antibodies(by Complement Fixation)
8163	DNA/RNA, Polyoma virus
8164	DNA/RNA, Parainfluenza 1, 2, 3
8165	DNA/RNA, Mumps
8166	DNA/RNA, Measles
8167	Cytomegalovirus Antigenaemia (IF)
8168	BK/JC PCR
8172	DNA/RNA, Legionella
8174	Microsporidium / cryptosporidium / isospora
8176	DNA/RNA, N meningitidis
8177	Giardia/Crypto antigen detection

8178	Norwalk (and Norwalk-like) Viruses RNA/cDNA
8179	DNA/RNA, Pneumocystis Carinii
8180	DNA/RNA, Malarial SPP
8181	HCV genotyping
	<b>OTHER</b>
9002	Environmental Monitoring tests
	<b>COLLECTIONS</b>
9900	Patient Episode Registration
9901	Hospital inpatient
9902	Hospital / Laboratory outpatient collection centre
9903	Offsite outpatient collection centre (ACC)
9904	Nursing Home or similar institution
9905	Domiciliary or Home visit
9920	Cytology (Fine needle aspiration)
9921	Autologous collection
9922	Semen collection
9923	Sweat collection – (only if collected by pathology staff)
9924	Bone marrow aspiration – (only if collected by pathology staff)
9925	Bone marrow trephine – (only if collected by pathology staff)
9926	Venesection (only if performed to obtain a sample for diagnostic testing)
9927	Mantoux
9928	IV Cannulation
	<b>REFERRALS</b>
9961	Preparation of Specimens for transport