1

1,25 Dihydroxyvitamin D (1,25 Dihydroxycholecalciferol)

11-Deoxycortisol

17-Hydroxyprogesterone

5

5 Hydroxyindoleacetic acid (5HIAA)

A

ACTH

Acyl-carnitine profile (plasma)

ADH (Antidiuretic hormone, AVP, Vasopressin)

Alanine Aminotransferase (ALT) (\*\*\*Liver Function Test\*\*\*)

Albumin (\*\*\*Bone Profile / Liver Function Test\*\*\*)

Albumin (24 hour urine)

Alcohol

Alcohol (Urine)

Aldosterone

Aldosterone:Plasma Renin Activity Ratio

Alkaline Phosphatase (ALP) (\*\*\*Bone Profile / Liver Function Test\*\*\*)

Alkaline Phosphatase (ALP) Isoenzymes

Alpha Fetoprotein (AFP-tumour marker)

Alpha subunit (Pituitary polypeptide)

Alpha-1 Acid Glycoprotein (Orosomucoid)

Alpha-1 Antitrypsin (A1AT)

Alpha-1 Antitrypsin (A1AT) Faecal

Alpha-1 Antitrypsin (A1AT) Phenotyping

Alpha-galactosidase

Aluminium - 24 hour urine

Aluminium - dialysate

Aluminium - random urine

Aluminium - serum

Aluminium - tissue

Aluminium - water

Amino Acids (CSF)

Amino Acids (plasma)

Amino Acids (urine)

Amiodarone

Ammonia

Amylase

Amylase (Fluid)

Amylase (urine)

Amylase Isoenzymes

Androgen profile (females) - Includes testosterone, SHBG, DHA sulphate and FAI

Androstenedione

Angiotensin Converting Enzyme (ACE)

Angiotensin Converting Enzyme (ACE) (CSF)

Antimony - 24hr urine

Antimony - tissue

Antimony - urine (random)

Antimony - whole blood

Anti-Mullerian Hormone (AMH)

Apolipoprotein A1 (Apo A1)

Apolipoprotein B (Apo B)

Apolipoprotein E genotype

Apolipoprotein E phenotype

Array CGH

Arsenic - hair

Arsenic - tissue

Arsenic - whole blood

Arsenic (24hour urine)

Arsenic (random urine)

Aspartate Aminotransferase (AST) (\*\*\*Cardiac Enzymes\*\*\*)

B

Barium - 24hr urine

Barium - serum

Barium - urine (random)

Beryllium - serum

Beryllium - urine (random)

Beta Hydroxybutyrate

Beta-2 microglobulin (B2M)

Bicarbonate

Bile Acids

Bile Pigments (Urine)

Bilirubin (conjugated)

Bilirubin (CSF) - Xanthochromia

Bilirubin (total) (\*\*\*Liver Function Test\*\*\*)

Bilirubin (urine)

Biogenic Amines (HVA and VMA (HMMA)) - paediatric

Biotinidase

Bismuth - 24hr urine

Bismuth - urine (random)

Bismuth - whole blood

Brain Natriuretic Peptide (BNP)

Bromide - serum

Buprenorphine (Subutex) (urine)

C

CA125

CA153

CA199

Cadmium - 24hr urine

Cadmium - tissue

Cadmium - urine (random)

Cadmium - whole blood

Caeruloplasmin

Caffeine

Calcitonin

Calcium (adjusted) (\*\*\*Bone Profile\*\*\*)

Calcium (urine) (\*\*\*Metabolic stone screen\*\*\*)

Calcium Creatinine Clearance Ratio

Calcium Creatinine Ratio (Urine)

Cannabis

Carbamazepine (Tegretol)

Carbohydrate Deficient Transferrin (CDT)

Carboxyhaemoglobin

Carcinoembryonic Antigen (CEA)

Catecholamines (Plasma)

Chloride

Chloride (sweat)

Cholesterol (total) (\*\*\*Lipid profile – random / fasting\*\*\*)

Cholesterol (total):HDL Cholesterol ratio (\*\*\*Lipid profile – random / fasting\*\*\*)

Cholinesterase (for phenotyping)

Cholinesterase (for poisoning - RBC Cholinesterase)

Chromium - 24hr urine

Chromium - blood

Chromium - hip fluid

Chromium - Ortho-blood

Chromium - Ortho-serum

Chromium - serum

Chromium - tissue

Chromium - urine (random)

Chromium - water

Chromogranin A and/or B

Chromosome Studies (Karyotype)

Citrate (urine) (\*\*\*Metabolic stone screen\*\*\*)

CJD (CSF)

Clobazam

Clozapine

Cobalt - 24hr urine

Cobalt - blood

Cobalt - hip fluid

Cobalt - Ortho-blood

Cobalt - Ortho-serum

Cobalt - serum

Cobalt - tissue

Cobalt - urine (random)

Conductivity (Sweat test)

Copper - 24hr Urine

Copper - Random Urine

Copper - Serum

Copper - Tissue

Copper - Water

Cortisol

Cortisol (urine)

Cotinine (urine)

C-Peptide

C-peptide (Urine)

C-Reactive Protein (CRP)

Creatine kinase (CK) (\*\*\*Cardiac Enzymes\*\*\*)

Creatinine (\*\*\*Renal profile\*\*\*)

Creatinine (urine) (\*\*\*Metabolic stone screen\*\*\*)

Creatinine Clearance

Crosslaps (Beta-Crosslaps)

CSF Glucose

Cyclosporin

Cystine (urine screen) (\*\*\*Metabolic stone screen\*\*\*)

Cystine (urine, quantitative)

Cytogenetics

D

DHA Sulphate

Digoxin

Dihydrotestosterone (DHT)

DNA (Genetic) analysis

Down's Screen - Combined Test (1st trimester)

Down's screen - Quadruple Test (2nd trimester)

Drugs of abuse screen (urine)

E

Ecstasy

eGFR (Estimated Glomerular Filtration Rate) (\*\*\*Renal profile\*\*\*)

Elastase (faecal)

Erythropoietin

Essential Fatty Acids

Ethylene Glycol

F

Faecal calprotectin

Ferritin (\*\*\*Iron profile\*\*\*)

Flecainide

Follicle Stimulating Hormone (FSH)

Free (non-esterified) Fatty Acid (NEFA)

Free and Acyl-carnitine profile (Blood Spot)

Free Androgen Index (FAI)

Free catecholamines (Biogenic Amines)

Free T3 (FT3) (\*\*\*Thyroid profile\*\*\*)

Free T4 (FT4) (\*\*\*Thyroid profile\*\*\*)

Free Testosterone

Fructosamine

G

Gabapentin

Galactose-1-phosphate uridyl transferase (GalPUT)

Gamma glutamyl transferase (GGT)

Gastrin

Gentamicin

Glucose

Glucose Tolerance Test

Glycosaminoglycans (mucopolysaccharides) (Urine)

Gold - 24hr Urine

Gold - Random Urine

Gold - Serum

Growth hormone (GH)

Gut hormone profile

H

Haemoglobin A1c (HbA1c)

HDL Cholesterol (HDLC) (\*\*\*Lipid profile – random / fasting\*\*\*)

Heterophillic Antibodies (thyroid interference)

Homocysteine

Homocystine (urine)

Homovanillic Acid (HVA)

I

IGF Binding Protein 3 (IGFBP3)

Immunoreactive Trypsin (IRT) (blood spot)

Inhibin A

Inhibin B

Insulin

Insulin Antibodies

Insulin-like Growth Factor 1 (IGF-1)

Insulin-like growth factor binding protein (IGFBP1)

Insulin-like growth factor binding protein (IGFBP2)

Insulin-like Growth Factor II (IGF-II)

Iron (\*\*\*Iron profile\*\*\*)

Iron - 24hr Urine

Iron - Random Urine

Iron - Tissue

Iron - Water

Iron Saturation (%) (\*\*\*Iron profile\*\*\*)

K

Ketones (urine) (qualitative)

L

Lactate (ASPH)

Lactate (CSF)

Lactate (RSCH/FPH)

Lactate / pyruvate ratio

Lactate dehydrogenase (LD, LDH)

Lamotrigine

Laxative abuse screen (urine)

LDL-cholesterol (LDL-C) (calculated) (\*\*\*Lipid profile – fasting\*\*\*)

Lead - 24hr Urine

Lead - Random Urine

Lead - Tissue

Lead - Water

Lead - Whole Blood

Levetiracetam (Keppra)

Lipase

Lipoprotein (a)

Lithium

Luteinising hormone (LH)

M

Macroprolactin (Confirmation)

Magnesium - 24hr Urine

Magnesium - Random Urine

Magnesium - Red Blood Cell

Magnesium - serum

Magnesium - Tissue

Magnesium - Water

Manganese - 24hr Urine

Manganese - Random Urine

Manganese - Serum

Manganese - Tissue

Manganese - Whole Blood

Mercury - 24hr Urine

Mercury - Random Urine

Mercury - Tissue

Mercury - Whole Blood

Metadrenalines (Metanephrines) (Plasma)

Metadrenalines (Metanephrines, biogenic amines)

Metanephrines

Methotrexate

Methylmalonic acid

Molecular Genetics

Molybdenum - 24hr Urine

Molybdenum - Random Urine

Molybdenum - Serum

Myoglobin (Urine)

N

N-Acetyl-Beta-Glucosaminidase (NAG)

Neurone Specific Enolase (NSE)

Neurotransmitters (CSF) (Monoamine metabolites)

Nickel - 24hr Urine

Nickel - Random Urine

Nickel - Serum

Nickel - Tissue

Non-HDL Cholesterol (calculated) (\*\*\*Lipid profile – random / fasting\*\*\*)

N-Telopeptide (Collagen Crosslinks)

O

Occult Blood (faecal)

Oestradiol

Oligoclonal Bands (CSF)

Oncology HCG

Organic Acids (urine)

Osmolality

Osmolality (urine)

Osteocalcin

Oxalate (urine) (\*\*\*Metabolic stone screen\*\*\*)

P

P1NP (Procollagen Extension Peptide)

Paracetamol

Paraquat (urine)

Parathyroid Hormone (PTH)

pH (Faecal)

pH (Urine, CSF, Fluid)

Phenobarbitone

Phenylalanine

Phenytoin (Epanutin)

Phosphate (\*\*\*Bone Profile\*\*\*)

Phosphate (24 hour urine) (\*\*\*Metabolic stone screen\*\*\*)

Phytanic acid

Placental alkaline phosphatase (PLAP)

Platinum - Random Urine

Platinum - Serum

Porphyrin screen (blood)

Porphyrin screen (faeces)

Porphyrin screen (urine)

Potassium (\*\*\*Renal profile\*\*\*)

Potassium (urine) (\*\*\*Metabolic stone screen\*\*\*)

Primidone (mysoline)

Procalcitonin

Procollagen peptide type III (PIIINP)

Progesterone

Proinsulin

Prolactin

Prostate Specific Antigen (PSA)

Protein (ascitic fluid)

Protein (CSF)

Protein (total protein)

Protein (urine) 24h collection no longer required - see below

Protein Electrophoresis

Protein:creatinine ratio (TPCR)

PSA (Free)

PTH-related peptide (PTH-RP)

Purine Pyrimidine screen (blood)

Purine Pyrimidine screen (urine)

R

Reducing substances (faecal) (Sugar Chromatography)

Reducing substances (urine)

Renin

Retinol Binding Protein

S

Salicylate

Selenium - Random Urine

Selenium - Serum

Serotonin

Serum Amyloid A

Silicon - 24hr Urine

Silicon - Fluid

Silicon - Random Urine

Silicon - Serum

Silver - 24hr Urine

Silver - Random Urine

Silver - Water

Silver - Whole Blood

Sirolimus

Sodium (\*\*\*Renal profile\*\*\*)

Sodium (sweat)

Sodium (urine)

Soluble Transferrin Receptor (STfR)

Squamous Cell Carcinoma (SCC) Antigen

Steroid Profile

Stone (Calculus) analysis

Sugar Chromatography (faeces or urine)

Sulphocysteine (Urine)

Sulphonylurea Screen (serum)

Sulphonylurea Screen (urine)

T

Tacrolimus (FK506)

Tau Protein (Beta-2-transferrin, asialotransferrin)

Tellurium - 24hr Urine

Tellurium - Random Urine

Tellurium - Whole Blood

Testosterone

Thallium - Random Urine

Thallium - Tissue

Thallium - Whole Blood

Theophylline

Thiopentone (Thiopental)

Thiopurine metabolites (6-Thioguanine nucleotide and 6-Methylmercaptopurine) (Nucleotides)

Thiopurine Methyltransferase (TPMT) (Azathioprine sensitivity)

Thyroglobulin

Thyroid Stimulating Hormone (TSH) (\*\*\*Thyroid profile\*\*\*)

Tin - Random Urine

Tin - Tissue

Tin - Water

Tin - Whole Blood

Titanium - 24hr Urine

Titanium - Hip Fluid

Titanium - Random Urine

Titanium - Serum

Titanium - Tissue

Titanium Orthopedic Blood - Whole Blood

Total human Chorionic Gonadotrophin (hCG)

Transferrin (\*\*\*Iron profile\*\*\*)

Transferrin Glycoforms (Paediatrics)

Triglycerides (\*\*\*Lipid profile – fasting\*\*\*)

Trimethylamine

Troponin I (ASPH and external referrals)

Troponin I (FPH)

Troponin I (RSCH)

Troponin T (FPH)

TSH (Blood Spot)

Tungsten - Serum

U

Ultrasensitive C-Reactive Protein (CRP)

Urate

Urate (urine) (\*\*\*Metabolic stone screen\*\*\*)

Urea (\*\*\*Renal profile\*\*\*)

Urea (urine) (\*\*\*Metabolic stone screen\*\*\*)

Urea, creatinine and Electrolytes (urine)

Urine Microalbumin:Creatinine Ratio (Albumin:Creatinine Ratio)

Urobilinogen

V

Vacuolated Lymphocytes

Valproate (sodium) (Epilim)

Vanadium - Random Urine

Vanadium - Serum

Vanadium - Tissue

Vancomycin

Vanillylmandelic acid (VMA, HMMA)

Very Long Chain Fatty Acids

Vigabatrin

Vitamin A

Vitamin B1 (Thiamine)

Vitamin B2 (Riboflavin)

Vitamin B6 (Pyridoxal phosphate)

Vitamin C (Ascorbic acid)

Vitamin D (25-Hydroxyvitamin D)

Vitamin E (vitamin E:cholesterol ratio)

W

White Cell Enzymes (Lysosomal Enzymes)

Y

Y Microdeletions

Z

Zinc - 24hr Urine

Zinc - Random Urine

Zinc - Serum

Zinc - Tissue

Zinc - Water