

Reference Range of Laboratory Tests

Here is a list of laboratory tests and their normal levels. These levels are a **guide** and there may well be some difference in your own lab's levels. Always use these when considering results.

Analyte	Specimen	SI Unit	SI Unit
Acetaminophen	Serum, plasma	66-200	pmol/L
Acetoacetate	Serum, plasma	<100	pmol/L
Acetone	Serum, plasma	<0.17	mmol/L
Acid phosphatase	Serum	<90	nkat/L
Activated partial thromboplastin time	Whole blood	25-40	seconds
Adenosine deaminase	Serum	190-420	nkat/L
Adrenocorticotrophic hormone (ACTH)	Plasma	<26	pmol/L
Alanine	Plasma	210-661	pmol/L
Alanine aminotransferase (ALT)	Serum	0.17-0.68	pkat/L
Albumin	Serum	35-50	g/L
Alcohol dehydrogenase	Serum	< 47	nkat/L
Aldolase	Serum	0.02-0.13	pkat/L
Aldosterone	Serum, plasma	55-250	pmol/L
Alkaline phosphatase	Serum	0.5-2.0	pkat/L
Alprazolam	Serum, plasma	32-162	nmol/L
Amikacin	Serum, plasma	34-52	pmol/L
oc-Aminobutyric acid	Plasma	8-35	pmol/L
S-Aminolevulinic acid	Serum	1.1-8.0	pmol/L
Amiodarone	Serum, plasma	0.8-3.9	pmol/L
Amitriptyline	Plasma	433-903	nmol/L
Ammonia (as nitrogen)	Serum, plasma	11-32	pmol/L
Amobarbital	Serum	4-22	pmol/L
Amphetamine	Serum, plasma	148-222	nmol/L
Amylase	Serum	0.46-2.23	j.tkat/L

Androstenedione	Serum	2.6-7.2	nmol/L
Angiotensin I	Plasma	<15	pmol/L
Angiotensin II	Plasma	0.96-58	pmol/L
Angiotensin-converting enzyme	Serum	<670	nkatal/L
Anion gap Nat- (Cl- + HCO ₃ ⁻)	Serum, plasma	8-16	mmol/L
Antidiuretic hormone (ADH)	Plasma	0.9-4.6	pmol/L
Antithrombin III	Plasma	210-300	mg/L
α ₁ -Antitrypsin	Serum	14.5-36.5	pmol/L
Apolipoprotein A-I	Serum	0.8-1.5	g/L
Apolipoprotein B	Serum, plasma	0.5-1.2	g/L
Arginine	Serum	21-138	μmol/L
Arsenic	Whole blood	0.03-0.31	μmol/L
Ascorbic acid (see Vitamin C)			
Asparagine	Plasma	30-69	μmol/L
Aspartate aminotransferase (AST)	Serum	0.17-0.51	μkat/L
Aspartic acid	Plasma	<25	μmol/L
Atrial natriuretic hormone	Plasma	6.5-2.5	pmol/L
Bands (see White blood cell count)			
Basophils (see White blood cell count)			
Base excess	Whole blood	- 2 to 3	mmol/L
Bicarbonate	Serum	21-28	mmol/L
Bile acids (total)	Serum	0.73-5.63	μmol/L
Bilirubin, total	Serum	5.0-21.0	μmol/L
Bilirubin, direct (conjugated)	Serum	1.7-5.1	μmol/L
Biotin	Serum	0.82-2.05	nmol/L
Bismuth	Whole blood	4.8-57.4	nmol/L

Blood gases Carbon dioxide, Pco2 pH Oxygen, Poe	Arterial blood Arterial blood Arterial blood	4.7-5.9 1.0 0.133	kPa kPa
Brain-type natriuretic peptide (BNP)	Plasma	< 167	ng/L
Bromide (toxic)	Serum	> 15.6	mmol/L
CI esterase inhibitor	Serum	120-300	mg/L
C3 complement	Serum	1.2-1.5	g/L
C4 complement	Serum	0.35-0.60	g/L
Cadmium	Whole blood	2.7-10.7	nmol/L
Caffeine	Serum, plasma	2.5-7.5	illmol/L
Calcitonin	Plasma	0.8-7.6	pmol/L
Calcium, ionized	Serum	1.15-1.27	mmol/L
Calcium, total	Serum	2.05-2.55	mmol/L
Cancer antigen (CA) 125	Serum	< 35	kU/L
Carbamazepine	Serum, plasma	34-51	ionol/L
Carbon dioxide (total)	Serum, plasma	22-28	mmol/L
Carboxyhemoglobin, toxic	Whole blood	> 0.2	Proportion of 1.0
Carcinoembryonic antigen (CEA)	Serum	< 3.0	Rg/L
a-Carotene	Serum	0.2-1.6	ilmol/L
Carotenoids	Serum	0.9-5.6	i.tmol/L
Ceruloplasmin	Serum	200-400	mg/L
Chloramphenicol	Serum	31-77	p.mol/L
Chlordiazepoxide	Serum, plasma	1.3-10.0	p.mol/L
Chloride	Serum, plasma	96-106	mmol/L
Chlorpromazine	Plasma	157-942	nmol/L
Chlorpropamide	Plasma	270-900	grmol/L
Cholecalciferol (see Vitamin D)			

Cholesterol (total) Desirable Borderline high High	Serum, plasma Serum, plasma Serum, plasma	< 5.18 5.18-6.18 6.21	mmol/L mmol/L mmol/L
Cholesterol, high-density (HDL) (low level)	Serum, plasma	<1.03	mmol/L
Cholesterol, low-density (LDL) (high level)	Serum, plasma	4.144	mmol/L
Cholinesterase	Serum	14-39	nmol/L
Chorionic gonadotropin (13-hCG)			
(nonpregnant)	Serum	5.0	IU/L
Chromium	Whole blood	13.4-538.6	nmol/L
Citrate	Serum	60-160	prmol/L
Citrulline	Plasma	12-55	limol/L
Clonazepam	Serum	0.4-15.8	nmol/L
Clonidine	Serum, plasma	4.4-8.7	nmol/L
Clozapine	Serum	0.6-1.0	limol/L
Coagulation factor I (Fibrinogen)	Plasma Plasma	4.4-10.3 1.5-3.5	1.1 mol/L g/L
Coagulation factor II (prothrombin)	Plasma	0.70-1.30	Proportion of 1.0
Coagulation factor V	Plasma	0.70-1.30	Proportion of 1.0
Coagulation factor VII	Plasma	0.60-1.40	Proportion of 1.0
Coagulation factor VIII	Plasma	0.50-2.00	Proportion of 1.0
Coagulation factor IX	Plasma	0.70-1.30	Proportion of 1.0
Coagulation factor X	Plasma	0.70-1.30	Proportion of 1.0
Coagulation factor XI	Plasma	0.70-1.30	Proportion of 1.0
Coagulation factor XII	Plasma	0.70-1.30	Proportion of 1.0
Cobalt	Serum	67.9-169.7	nmol/L
Cocaine (toxic)	Serum	> 3300	nmol/L
Codeine	Serum	33-334	nmol/L
Coenzyme Q10 (ubiquinone)	Plasma	0.5-1.5	mg/L
Copper	Serum	11-22	vmol/L

Coproporphyrin	Urine	< 300	gmol/d
Corticotropin	Plasma	< 26	pmol/L
Cortisol	Serum, plasma	140-690	nmol/L
Cotinine	Plasma	0-45	nmol/L
C-peptide	Serum	0.17-0.83	nmol/L
C-reactive protein	Serum	0.76-28.5	nmol/L
Creatine	Serum	8-31	pmol/L
Creatine kinase (CK)	Serum	0.67-2.5	l.l,kat/L
Creatine kinase-MB fraction	Serum	0-7	l.lg/L
Creatinine	Serum, plasma	53-106	l.trnol/L
Creatinine clearance	Serum, plasma	1.24-2.08	mL/s/m2
Cyanide (toxic)	Whole blood	>23	tirnmol/L
Cyclic adenosine monophosphate (CAMP)	Plasma	14-26	nmol/L
Cyclosporine	Serum	83-333	nmol/L
Cystine	Plasma	16-60	mmol/L
D-dimer	Plasma	<3.0	nmol/L
Dehydroepiandrosterone (DHEA)	Serum	6.2-43.3	nmol/L
Dehydroepiandrosterone sulfate (DHEA-S)	Serum	1.6-12.2	iimol/L
Deoxycorticosterone	Serum	61-576	nmol/L
Desipramine	Serum, plasma	170-700	nmol/L
Diazepam	Serum, plasma	0.35-3.51	limol/L
Digoxin	Plasma	0.6-2.6	nmol/L
Diltiazem	Serum	<480	l.l mol/L
Disopyramide	Serum, plasma	8.3-22.0	pmol/L
Dopamine	Plasma	<475	pmol/L
Doxepin	Serum, plasma	108-538	nmol/L

Electrophoresis (protein)			
Proportion of total protein			
Albumin	Serum	0.52-0.65	Proportion of 1.0
α ₁ -Globulin	Serum	0.025-0.05	Proportion of 1.0
α ₂ -Globulin	Serum	0.07-0.13	Proportion of 1.0
β-Globulin	Serum	0.08-0.14	Proportion of 1.0
γ-Globulin	Serum	0.12-0.22	Proportion of 1.0
Concentration			
Albumin	Serum	32-56	g/L
α ₁ -Globulin	Serum	1-10	g/L
α ₂ -Globulin	Serum	4-12	g/L
β-Globulin	Serum	5-11	g/L
γ-Globulin	Serum	5-16	g/L
Eosinophils (see White blood cell count)			
Ephedrine (toxic)	Serum	>12.1	g/mol/L
Epinephrine	Plasma	<330	pmol/L
Erythrocyte count (see Red blood cell count)			
Erythrocyte sedimentation rate	Whole blood	0-20	mm/h
Erythropoietin	Serum	5-36	IU/L
Estradiol (E2)	Serum	110-1470	pmol/L
Estriol (E3)	Serum	17.4-138.8	nmol/L
Estrogens (total)	Serum	60-400	ng/L
Estrone (E1)	Serum, plasma	5.5-92.5	pmol/L
Ethanol (ethyl alcohol)	Serum, whole	<4.3	mmol/L
blood			
Ethchlorvynol (toxic)	Serum, plasma	>138	µmol/L
Ethosuximide	Serum	280-700	pmol/L
Ethylene glycol (toxic)	Serum, plasma	>5	mmol/L
Fatty acids (nonesterified)	Serum, plasma	0.28-0.89	mmol/L
Fecal fat (as stearic acid)	Stool	2-6	g/24 h
Fenfluramine	Serum	0.18-1.30	µmol/L
Fentanyl	Serum	0.02-0.30	pmol/L
Ferritin	Serum	33-450	pmol/L
α ₁ -Fetoprotein	Serum	<10	µg/L

Fibrin degradation products	Plasma	< 10	mg/L
Fibrinogen	Plasma	5.8-11.8	mmol/L
Flecainide	Serum, plasma	0.5-2.4	µmol/L
Fluoride	Whole blood	<0.027	mmol/L
Fluoxetine	Serum	0.65-3.56	µmol/L
Flurazepam (toxic)	Serum, plasma	> 0.5	µmol/L
Folate (folic acid)	Serum	7-36	nmol/L
Follicle-stimulating hormone (FSH)	Serum, plasma	1-100	IU/L
Fructosamine	Serum	200-280	mmol/L
Fructose	Serum	55-335	µmol/L
Galactose	Serum, plasma	<1.10	mmol/L
Gastrin	Serum	12-45	pmol/L
Gentamicin	Serum	12-21	µmol/L
Glucagon	Plasma	20-100	ng/L
Glucose	Serum	3.9-6.1	mmol/L
Glucose-6-phosphate dehydrogenase	hemoglobin		
Glutamic acid	Plasma	15-190	mmol/L
Glutamine	Plasma	420-700	µmol/L
γ-Glutamyltransferase (GGT)	Serum	0.03-0.51	µkat/L
Glutethimide	Serum	9-28	µmol/L
Glycerol (free)	Serum	0.32-0.187	mmol/L
Glycine	Plasma	120-560	µmol/L
Gold	Serum	<500	nmol/L
Growth hormone (GH)	Serum	0-18	pg/L
Haloperidol	Serum, plasma	16-65	nmol/L
Haptoglobin	Serum	260-1850	mg/L
Hæmatocrit	Whole blood	0.41-0.50	Proportion of 1.0

Hæmoglobin	Whole blood	140-175	g/L
Mean corpuscular hemoglobin (MCH)	Whole blood	26-34	pg/cell
Mean corpuscular hemoglobin-concentration (MCHC)	Whole blood	330-370	g/L
Mean corpuscular volume (MCV)	Whole blood	80-100	fL
Hæmoglobin A _{1c} (glycated hæmoglobin)	Whole blood	<50	mmol/mol
Hæmoglobin A ₂	Whole blood	0.02-0.03	Proportion of 1.0
Histamine	Plasma	4.5-9.0	nmol/L
Histidine	Plasma	32-110	pmol/L
Homocysteine	Plasma	5-15	pmol/L
Homovanillic acid	Urine	8-48	pmol/d
Hydrocodone	Serum	<0.06	pmol/L
Hydromorphone	Serum	28-112	nmol/L
β-Hydroxybutyric acid	Plasma	<300	pmol/L
5-Hydroxyindoleacetic acid (5-HIAA)	Urine	10.4-31.2	pmol/d
Hydroxyproline	Plasma	<42	pmol/L
Ibuprofen	Serum	50-243	nmol/L
Imipramine	Plasma	536-893	nmol/L
Immunoglobulin A (IgA)	Serum	400-3500	mg/L
Immunoglobulin D (IgD)	Serum	0-80	mg/L
Immunoglobulin E (IgE)	Serum	0-1.5	mg/L
Immunoglobulin G (IgG)	Serum	6.5-16.0	g/L
Immunoglobulin M (IgM)	Serum	550-3000	mg/L
Insulin	Serum	14-140	pmol/L
Insulinlike growth factor	Serum	18-60	nmol/L
Iodine	Serum	450-580	nmol/L
Iron	Serum	10.7-26.9	pmol/L
Iron-binding capacity	Serum	44.8-80.6	gmol/L
Isoleucine	Plasma	40-100	Rmol/L

Isoniazid	Plasma	7-51	p.mol/L
Isopropanol (toxic)	Serum, plasma	>6.64	mmol/L
Kanamycin	Serum, plasma	52-72	lonol/L
Ketamine	Serum	0.8-26	grnol/L
17-Ketosteroids	Urine	10-42	p.mol/d
Lactate	Plasma	0.6-1.7	mmol/L
Lactate dehydrogenase (LDH)	Serum	1.7-3.4	pkat/L
LDH isoenzymes			
LD ₁	Serum	0.17-0.27	Proportion of 1.0
LD ₂	Serum	0.27-0.37	Proportion of 1.0
LD ₃	Serum	0.18-0.25	Proportion of 1.0
LD ₄	Serum	0.03-0.08	Proportion of 1.0
LD ₅	Serum	0-0.05	Proportion of 1.0
Lead	Serum	<0.5-1.0	pmol/L
Leucine	Plasma	75-175	pmol/L
Leukocytes (see White blood cell count)			
Lidocaine	Serum, plasma	6.4-25.6	ttmol/L
Lipase	Serum	0.5-3.2	pkat/L
Lipoprotein(a) [Lp(a)]	Serum	0.35-1.0	pmol/L
Lithium	Serum	0.6-1.2	mmol/L
Lorazepam	Serum	156-746	nmol/L
Luteinizing hormone (LH)	Serum, plasma	1-104	IU/L
Lycopene	Serum	0.28-0.46	ttrnol/L
Lymphocytes (see White blood cell count)			
Lysergic acid diethylamide	Serum	<15	nmol/L
Lysine	Plasma	80-240	ttmol/L
Lysozyme	Serum, plasma	4-13	mg/L
Magnesium	Serum	0.65-1.05	mmol/L
Manganese	Whole blood	182-218	nmol/L
Maprotiline	Plasma	200-600	pg/L

Melatonin	Serum	45-66	pmol/L
Meperidine	Serum, plasma	1620-2830	nmol/L
Mercury	Serum	<25	nmol/L
Metanephrine (total)	Urine	<5	pmol/d
Metformin	Serum	8-30	pmol/L
Methadone	Serum, plasma	0.32-1.29	grnol/L
Methamphetamine	Serum	0.07-0.34	pirnol/L
Methanol	Plasma	<6.2	mmol/L
Methaqualone	Serum, plasma	8-12	grnol/L
Methemoglobin	Whole blood	<37.2	iirnol/L
Methemoglobin	Whole blood	<0.01	Proportion of
hemoglobin	total hemoglobin		
Methicillin	Serum	22-66	ii.mol/L
Methionine	Plasma	6-40	iimol/L
Methotrexate	Serum, plasma	90-790	nmol/L
Methyldopa	Plasma	5.0-25	ilmol/L
Metoprolol	Serum, plasma	281-748	nmol/L
N-Microglobulin	Serum	1.2-2.8	mg/L
Morphine	Serum, plasma	35-280	nmol/L
Myoglobin	Serum	1.0-5.3	nmol/L
Naproxen	Serum	115-300	mmol/L
Niacin (nicotinic acid)	Urine	17.5-46.7	pirnol/d
Nickel	Whole blood	17-476	nmol/L
Nicotine	Plasma	0.062-0.308	grnol/L
Nitrogen (nonprotein)	Serum	14.3-25.0	mmol/L
Nitroprusside (as thiocyanate)	6-29	gmol/L	
Norepinephrine	Plasma	650-2423	pmol/L
Nortriptyline	Serum, plasma	190-570	nmol/L

Ornithine	Plasma	30-106	μmol/L
Osmolality	Serum	275-295	mmol/kg
Osteocalcin	Serum	3.0-13.0	pg/L
Oxalate	Serum	11-27	μmol/L
Oxazepam	Serum, plasma	0.7-4.9	pmol/L
Oxycodone	Serum	32-317	nmol/L
Oxygen, partial pressure (Po ₂)	Arterial blood	11-13	kPa
Paraquat	Whole blood	0.5-8.5	pmol/L
Parathyroid hormone	Serum	10-65	ng/L
Pentobarbital	Serum, plasma	4.0-22	1.1 mol/L
Pepsinogen	Serum	28-100	vg/L
pH (see Blood gases)			
Phencyclidine (toxic)	Serum, plasma	370-3288	nmol/L
Phenobarbital	Serum, plasma	65-172	pmol/L
Phenylalanine	Plasma	35-90	pmol/L
Phenylpropanolamine	Serum	330-660	nmol/L
Phenytoin	Serum, plasma	40-79	pmol/L
Phosphorus (inorganic)	Serum	0.74-1.52	mmol/L
Placental lactogen	Serum	23-509	nmol/L
Plasminogen (antigenic)	Plasma	1.1-2.2	μmol/L
Plasminogen activator inhibitor	Plasma	75-750	pmol/L
Platelet count (thrombocytes)	Whole blood	150-350	×10 ⁹ /L
Porphyrins (total)	Urine	25-144	nmol/L
Potassium	Serum	3.5-5.0	mmol/L
Prealbumin	Serum	195-358	mg/L
Pregnanediol	Urine	< 8	μmol/d
Pregnanetriol	Urine	<7.5	mmol/d
Primidone	Serum, plasma	23-55	pmol/L

Procainamide	Serum, plasma	17-42	vrnol/L
Progesterone	Serum	0.5-79.5	nmol/L
Prolactin	Serum	90-140	pmol/L
Proline	Plasma	104-340	p.mol/L
Propoxyphene	Plasma	0.3-1.2	vtmol/L
Propranolol	Serum	193-386	nmol/L
Prostate-specific antigen	Serum	<4.0	ikg/L
Protein (total)	Serum	60-80	g/L
Prothrombin time (PT)	Plasma	10-13	s
Protoporphyrin	Red blood cells	0.27-0.89	iirnmol/L
Protriptyline	Serum, plasma	266-950	nmol/L
Pyridoxine (see Vitamin B6)			
Pyruvate	Plasma	60-170	iirnmol/L
Quinidine	Serum	6.2-15.4	pmol/L
Red blood cell count	Whole blood	3.9-5.5	x10 ¹² /L
Renin	Plasma	0.7-1.0	pmol/L
Reticulocyte count	Whole blood	25-75	x10 ⁹ /L
Reticulocyte count	Whole blood	0.005-0.015	Proportion of
blood cells	red blood cells		
Retinol (see Vitamin A)			
Riboflavin (see Vitamin B2)			
Rifampin	Serum	5-49	gmol/L
Salicylates	Serum, plasma	1086-2172	Rmol/L
Selenium	Serum, plasma	0.74-2.97	limol/L
Serine	Plasma	65-193	pmol/L
Serotonin (5-hydroxytryptamine)	Whole blood	0.28-1.14	pmol/L
Sex hormone—binding globulin	Serum	13-17	nmol/L
Sodium	Serum	136-142	mmol/L

Somatomedin C (Insulinlike growth factor)	Serum	18-60	nmol/L
Somatostatin	Plasma	<15	pmol/L
Streptomycin	Serum	12-86	pmol/L
Strychnine	Whole blood	<1.5	pmol/L
Substance P	Plasma	<180	pmol/L
Sulfate	Serum	310-990	pmol/L
Sulfmethemoglobin	Whole blood	<0.010	Proportion of
hemoglobin	total hemoglobin		
Taurine	Plasma	24-168	pmol/L
Testosterone	Serum	10.4-41.6	nmol/L
Tetrahydrocannabinol	Serum	<0.60	pmol/L
Theophylline	Serum, plasma	56-111	pmol/L
Thiamine (see Vitamin B1)			
Thiopental	Serum, plasma	4.1-20.7	pmol/L
Thioridazine	Serum, plasma	2.7-4.1	pmol/L
Threonine	Plasma	75-210	pmol/L
Thrombin time	Plasma	16.24	s
Thrombocytes (see Platelet count)			
Thyroglobulin	Serum	3-42	ug/L
Thyroid-stimulating hormone (TSH)	Serum	0.4-4.2	mIU/L
Thyroxine, free (FT4)	Serum	12-30	pmol/L
Thyroxine, total (T4)	Serum	71-160	nmol/L
Thyroxine-binding globulin	Serum	206-309	nmol/L
Tissue plasminogen activator	Plasma	<40	IU/L
Tobramycin	Serum, plasma	10-21	urnol/L
Tocainide	Serum	21-52	umol/L
a-Tocopherol (see Vitamin E)			

Tolbutamide	Serum	296-888	umol/L
Transferrin	Serum	2.5-5.0	urnol/L
Triglycerides	Serum	1.8	mmol/L
Triiodothyronine, free (FT3)	Serum	0.22-6.78	pmol/L
Triiodothyronine, total (T3)	Serum	0.92-2.76	nmol/L
Troponin I	Serum	0-0.4	ug/L
Troponin T	Serum	0-0.1	ug/L
Tryptophan	Plasma	25-73	urriol/L
Tyrosine	Plasma	20-90	umol/L
Urea nitrogen	Serum	2.9-8.2	mmol/L
Uric acid	Serum	240-480	urnol/L
Urobilinogen	Urine	1.7-5.9	umol/d
Valine	Plasma	145-315	umol/L
Valproic acid	Serum, plasma	346-693	umol/L
Vancomycin	Serum, plasma	14-28	urnol/L
Vanillylmandelic acid (VMA)	Urine	11-38	umol/d
Vasoactive intestinal polypeptide	Plasma	<15	pmol/L
Vasopressin	Plasma	1.0-2.0	pmol/L
Verapamil	Serum, plasma	220-1100	nmol/L
Vitamin A (retinol)	Serum	1.05-2.80	p.mol/L
Vitamin B1 (thiamine)	Serum	0-75	nmol/L
Vitamin B2 (riboflavin)	Serum	106-638	nmol/L
Vitamin B3	Whole blood	0.9-8.2	pmol/L
Vitamin B6 (pyridoxine)	Plasma	20-121	nmol/L
Vitamin B12	Serum	118-701	pmol/L
Vitamin C (ascorbic acid)	Serum	23-85	pmol/L
Vitamin D (1,25 dihydroxyvitamin D)	Serum	60-108	pmol/L
Vitamin D (25-hydroxyvitamin D)	Plasma	35-150	nmol/L

Vitamin E (a-tocopherol)	Serum	12-42	µmol/L
Vitamin K	Serum	0.29-2.64	nmol/L
Warfarin	Serum, plasma	3.2-32.4	pmol/L
White blood cell count	Whole blood	4.5-11.0	×10 ⁹ /L
Differential count			
Neutrophils-segmented	Whole blood	1.8-7.8	×10 ⁹ /L
Neutrophils-bands	Whole blood	0-0.70	×10 ⁹ /L
Lymphocytes	Whole blood	1.0-4.8	×10 ⁹ /L
Monocytes	Whole blood	0-0.80	×10 ⁹ /L
Eosinophils	Whole blood	0-0.45	×10 ⁹ /L
Basophils	Whole blood	0-0.20	×10 ⁹ /L
Differential count (number fraction)			
Neutrophils-segmented	Whole blood	0.56	Proportion of 1.0
Neutrophils-bands	Whole blood	0.03	Proportion of 1.0
Lymphocytes	Whole blood	0.34	Proportion of 1.0
Monocytes	Whole blood	0.04	Proportion of 1.0
Eosinophils	Whole blood	0.027	Proportion of 1.0
Basophils	Whole blood	0.003	Proportion of 1.0
Zidovudine	Serum, plasma	0.56-1.01	µmol/L
Zinc	Serum	11.5-18.5	µmol/L