

**TYPICAL VALUES**	Unit	Lot 213UL	Lot 1038UN	Lot 796UE	Methods
		Level 1 Target	Level 2 Target	Level 3 Target	
Analyte					
Albumin (electrophoresis)	%	41.1	47.6	53.0	Electrophoresis
alpha-1-globulin (electrophoresis)	%	29.9	15.1	4.8	Electrophoresis
alpha-2-globulin (electrophoresis)	%	6.5	8.3	9.0	Electrophoresis
beta-globulin (electrophoresis)	%	9.1	11.6	13.3	Electrophoresis
gamma-globulin (electrophoresis)	%	13.4	17.4	20.0	Electrophoresis
alpha-HBDH	U/l	20	83	175	Phosphate buffer DGKC 37°C
	U/l	15	63	132	Phosphate buffer DGKC 30°C
	U/l	11	47	99	Phosphate buffer DGKC 25°C
Acid Phosphatase (Prostatic)	U/l	6.49	15.10	23.30	1-Naphthyl Phosphate substrate Kinetic 37°C
Acid Phosphatase (Total)	U/l	12.40	18.20	29.10	1-Naphthyl Phosphate substrate Kinetic 37°C
Albumin	g/l	25.0	39.7	55.5	Bromocresol Green
	g/dl	2.50	3.97	5.55	
Alkaline Phosphatase	U/l	49	184	421	Diethanolamine buffer DEA 37°C
	U/l	38	143	328	Diethanolamine buffer DEA 30°C
	U/l	31	118	269	Diethanolamine buffer DEA 25°C
Alpha-1-Acid Glycoprotein	g/l	0.25	0.51	0.76	Immunoturbidimetric
Alpha-1-Antitrypsin	g/l	0.46	0.99	1.55	Immunoturbidimetric
Alphafetoprotein	KIU/l = IU/ml	1.27	2.24	3.35	Chemiluminescence
	ng/ml	1.54	2.71	4.05	
ALT (GPT)	U/l	35	99	221	Tris buffer no P5P IFCC/SFBC 37°C
	U/l	26	73	164	Tris buffer no P5P IFCC/SFBC 30°C
	U/l	20	56	124	Tris buffer no P5P IFCC/SFBC 25°C
Amikacin	µmol/l	5.98	20.8	43.6	Enzyme Immunoassay
	µg/ml	3.50	12.2	25.5	
Amylase Pancreatic	U/l	35	123	309	EPS Liquid 37°C
Amylase Total	U/l	45	141	321	EPS Liquid 37°C
Apolipoprotein A-1	g/l	0.65	1.16	1.77	Immunoturbidimetric
	mg/dl	65.1	116	177	
Apolipoprotein B	g/l	0.40	0.64	0.90	Immunoturbidimetric
	mg/dl	40.0	64.0	90.0	
AST (GOT)	U/l	40	115	220	Tris buffer no P5P IFCC/SFBC 37°C
	U/l	27	78	149	Tris buffer no P5P IFCC/SFBC 30°C
	U/l	19	55	105	Tris buffer no P5P IFCC/SFBC 25°C
Beta-2-microglobulin	µg/ml = mg/l	1.60	3.29	4.76	Immunoturbidimetric
Bicarbonate	mmol/l	17.2	25.7	35.4	Enzymatic
Bile Acids	µmol/l	18.4	29.1	38.2	5th Generation Colorimetric
Bilirubin Direct	µmol/l	10.2	20.9	30.3	Diazo with Sulphanilic Acid
	mg/dl	0.60	1.22	1.77	
Bilirubin Total	µmol/l	20.8	60.2	95.3	Diazo with Sulphanilic Acid
	mg/dl	1.22	3.52	5.58	
C-Reactive Protein	mg/l	1.29	17.6	45.4	Immunoturbidimetric
Caeruloplasmin	g/l	0.171	0.306	0.406	Immunoturbidimetric
Caffeine	µmol/l	12.9	33.0	55.1	Chemiluminescence
	µg/ml	2.50	6.41	10.70	
Calcium	mmol/l	1.65	2.12	3.63	Cresolphthalein complexone
	mg/dl	6.61	8.50	12.7	
	mmol/l	0.87	1.15	1.53	Ionised calcium
	mg/dl	3.47	4.61	6.13	
Carbamazepine	µmol/l	21.7	35.6	49.5	Immunoturbidimetric
	µg/ml	5.13	8.42	11.7	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	0.60	1.00	1.80	Chemiluminescence
Chloride	mmol/l	82.9	103	119	ISE indirect
Cholesterol	mmol/l	3.27	4.73	7.13	Cholesterol Oxidase CDC
	mg/dl	126	183	275	
Cholinesterase	U/l	3,335	6,084	8,788	Colorimetric 37°C

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Analyte		Target	Target	Target	
CK Total	U/l	54	228	485	Phosphate buffer DGKC 37°C
	U/l	34	143	304	Phosphate buffer DGKC 25°C
	U/l	23	97	206	Phosphate buffer DGKC 30°C
CK-MB Activity	U/l	<8	13	27.0	Immuno-inhibition substrate start 37°C
	U/l	-	7.6	15.7	Immuno-inhibition substrate start 30°C
	U/l	-	4.6	9.6	Immuno-inhibition substrate start 25°C
Complement C3	g/l	0.63	1.30	1.56	Immunoturbidimetric
Complement C4	g/l	0.13	0.21	0.30	Immunoturbidimetric
Copper	µmol/l	13.9	18.8	27.2	Colorimetric
	µg/dl	88.4	120	173	
Cortisol	nmol/l	144	190	269	Radioimmunoassay
	µg/dl	5.18	6.84	9.68	
Creatinine	µmol/l	59.0	136	373	Alkaline picrate no deproteinization
	mg/dl	0.67	1.54	4.21	
D-3-Hydroxybutyrate	mmol/l	0.18	0.38	1.05	Enzymatic
DHEA-S	µmol/l	3.70	14.6	25.9	Chemiluminescence
Digoxin	nmol/l	0.60	2.09	3.50	Immunoturbidimetric
	ng/ml	0.47	1.63	2.73	
Ethanol	mg/dl	45.3	80.3	140	Enzymatic Colorimetric
Ferritin	ng/ml = µg/l	23.2	47.9	72.1	Immunoturbidimetric
Folate	nmol/l	15.6	9.75	3.85	Competitive Protein Binding Assay
	ng/ml	6.90	4.30	1.70	
Free T3	pmol/l	4.26	6.56	12.8	Chemiluminescence
	ng/dl	0.28	0.43	0.83	
	pg/ml	2.77	4.27	8.33	
Free Thyroxine (FT4)	pmol/l	11.8	20.3	42.5	Chemiluminescence
	pg/ml	9.23	15.8	33.2	
FSH	mU/ml	8.10	13.7	18.8	Chemiluminescence
Gentamicin	µmol/l	4.72	11.2	16.9	Immunoturbidimetric
	µg/ml	2.26	5.35	8.08	
gamma-GT	U/l	31	78	193	Gamma glutamyl.-3-carboxy-4-nitroanilide 37°C
	U/l	24	61	152	Gamma glutamyl.-3-carboxy-4-nitroanilide 30°C
	U/l	19	48	119	Gamma glutamyl.-3-carboxy-4-nitroanilide 25°C
GLDH	U/l	16	24	49	DGKC 37°C
	U/l	13	19	38	DGKC 30°C
	U/l	10	15	30	DGKC 25°C
Glucose	mmol/l	3.32	7.58	19.8	Glucose oxidase
	mg/dl	59.8	137	357	
Growth Hormone (GH)	µU/ml	1.44	2.43	3.00	Chemiluminescence
Haptoglobin	g/l	0.452	0.829	1.230	Immunoturbidimetric
HDL - Cholesterol	mmol/l	1.57	2.24	3.39	Direct Clearance Method
	mg/dl	60.6	86.5	131	
Human Chorionic Gonadotrophin	mU/ml	4.48	63.4	n/a	Chemiluminescence
Immunoglobulin A	g/l	1.11	1.92	2.69	Immunoturbidimetric
Immunoglobulin E	KIU/l = IU/ml	100	178	269	Immunoturbidimetric
Immunoglobulin G	g/l	6.76	12.1	17.0	Immunoturbidimetric
Immunoglobulin M	g/l	0.54	0.86	1.24	Immunoturbidimetric
Iron	µmol/l	13.3	24.4	33.9	Colorimetric without ppt.
	µg/dl	74.3	136	190	
Lactate	mmol/l	0.55	1.39	4.99	Enzymatic Colorimetric
	mg/dl	4.96	12.5	45.0	
LAP	U/l	16	26	35	NAGEL 37°C
LD (LDH)	U/l	102	257	492	Phosphate buffer DGKC 37°C
	U/l	74	186	355	Phosphate buffer DGKC 30°C
	U/l	52	130	249	Phosphate buffer DGKC 25°C

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Analyte		Target	Target	Target	
LDL - Cholesterol	mmol/l	1.32	2.29	3.33	Direct Clearance Method
	mg/dl	51.0	88.4	129	
Lipase	U/l	24	60	128	Colorimetric 37°C
Lipoprotein (a)	mg/dl	9.60	8.13	11.30	Immunoturbidimetric
	nmol/l	21.7	18.6	23.7	
Lithium	mmol/l	0.42	0.81	1.37	Colorimetric
	mg/dl	0.29	0.56	0.95	
Luteinising Hormone (LH)	mU/ml	4.80	12.8	17.0	Chemiluminescence
Magnesium	mmol/l	0.50	0.94	1.62	Xylidyl Blue
	mg/dl	1.22	2.28	3.94	
Myoglobin	ng/ml	46.8	127	257	Immunoturbidimetric
Osmolality	mmol/kg	712	908	901	Freezing point depression
Paracetamol	mmol/l	0.04	0.27	0.96	Polarisation Fluoroimmunoassay
	mg/l	6.57	40.5	145.0	
Phenobarbital	µmol/l	29.1	113	206	Immunoturbidimetric
	µg/ml	6.75	26.1	47.8	
Phenytoin	µmol/l	23.8	39.8	64.2	Immunoturbidimetric
	µg/ml	6.01	10.0	16.2	
Phosphate Inorganic	mmol/l	0.75	1.14	2.01	Phosphomolybdate UV
	mg/dl	2.33	3.53	6.23	
Potassium	mmol/l	2.47	3.92	5.96	ISE indirect
Prealbumin	g/l	0.11	0.21	0.30	Immunoturbidimetric
Progesterone	nmol/l	2.81	27.1	95.1	Chemiluminescence
	ng/ml	0.88	8.48	29.8	
Prolactin	µU/ml	91.1	267	423	Chemiluminescence
Protein Total	g/l	39.2	65.5	82.2	Biuret reaction end point
	g/dl	3.92	6.55	8.22	
Salicylate	mmol/l	0.39	1.49	3.29	Colorimetric Trinder
	mg/dl	5.38	20.6	45.3	
Sodium	mmol/l	109	140	169	ISE indirect
T Uptake	%U	51.9	35.0	55.6	Siemens Immulite 1000
Testosterone	nmol/l	1.75	11.1	21.9	Chemiluminescence
	ng/ml	0.50	3.20	6.31	Chemiluminescence
	ng/dl	50.4	320	631	Chemiluminescence
Theophylline	µmol/l	29.1	70.8	132.0	Immunoturbidimetric
	µg/ml	5.24	12.8	23.8	
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.96	4.23	10.8	Chemiluminescence
Thyroxine (T4)	nmol/l	42.0	95.1	188	Chemiluminescence
	µg/dl	3.28	7.42	14.7	Chemiluminescence
	ng/ml	32.8	74.2	147	Chemiluminescence
TIBC	µmol/l	36.6	51.9	70.0	FE + UIBC (saturation with iron)
	µg/dl	205	290	391	
Transferrin	g/l	1.24	2.28	3.28	Immunoturbidimetric
Triglycerides	mmol/l	1.41	2.48	3.59	Enzymatic Colorimetric
	mg/dl	125	219	318	
Triiodothyronine (T3)	nmol/l	0.91	1.49	2.75	Chemiluminescence
	ng/ml	0.59	0.97	1.79	Chemiluminescence
	ng/dl	59.2	97.0	179	Chemiluminescence
Troponin I	ng/ml = µg/l	0.18	0.44	n/a	Chemiluminescence
Troponin T	µg/l	0.18	0.37	0.34	Chemiluminescence

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Analyte		Target	Target	Target	
Urea	mmol/l	2.75	9.07	17.6	Enzymatic
	mg/dl	16.5	54.5	106.0	
Uric Acid (Urate)	mmol/l	0.15	0.25	0.48	Uricase Peroxidase with ascorbate oxidase (546nm)
	mg/dl	2.52	4.20	8.06	
Valproic Acid	µmol/l	229	269	410	Immunoturbidimetric
	µg/ml	33.0	38.8	59.2	
Vancomycin	µmol/l	1.95	6.80	13.9	Polarisation Fluoroimmunoassay
	µg/ml	2.90	10.1	20.7	
Vitamin B12	pmol/l	456	502	484	Competitive Protein Binding Assay
	pg/ml	618	680	656	
Zinc	µmol/l	13.7	26.9	42.3	Colorimetric
	µg/dl	89.5	176	276	