

				
		Lot 197UL	Lot 999UN	
TYPICAL VALUES				
Analyte	unit	Level 1 target	Level 2 target	methods
Albumin (electrophoresis)	%	41.1	47.6	Electrophoresis
alpha-1-globulin (electrophoresis)	%	29.9	15.1	Electrophoresis
alpha-2-globulin (electrophoresis)	%	6.5	8.3	Electrophoresis
beta-globulin (electrophoresis)	%	9.1	11.6	Electrophoresis
gamma-globulin (electrophoresis)	%	13.4	17.4	Electrophoresis
alpha-HBDH	U/l	20	83	Phosphate buffer DGKC 37°C
	U/l	15	63	Phosphate buffer DGKC 30°C
	U/l	11	47	Phosphate buffer DGKC 25°C
Acid Phosphatase (Prostatic)	U/l	6.49	15.10	1-Naphthyl Phosphate substrate Kinetic 37°C
Acid Phosphatase (Total)	U/l	12.40	18.20	1-Naphthyl Phosphate substrate Kinetic 37°C
Albumin	g/l	25.6	39.9	Bromocresol Green
	g/dl	2.56	3.99	
Alkaline Phosphatase	U/l	55	200	Diethanolamine buffer DEA 37°C
	U/l	43	156	Diethanolamine buffer DEA 30°C
	U/l	35	128	Diethanolamine buffer DEA 25°C
Alpha-1-Acid Glycoprotein	g/l	0.25	0.51	Immunoturbidimetric
Alpha-1-Antitrypsin	g/l	0.46	0.99	Immunoturbidimetric
Alphafetoprotein	KIU/l = IU/ml	1.27	2.24	Chemiluminescence
	ng/ml	1.54	2.71	
ALT (GPT)	U/l	44	102	Tris buffer no P5P IFCC/SFBC 37°C
	U/l	33	75	Tris buffer no P5P IFCC/SFBC 30°C
	U/l	25	57	Tris buffer no P5P IFCC/SFBC 25°C
Amikacin	µmol/l	5.98	20.8	Enzyme Immunoassay
	µg/ml	3.50	12.2	
Amylase Pancreatic	U/l	35	123	EPS Liquid 37°C
Amylase Total	U/l	49	154	EPS Liquid 37°C
Apolipoprotein A-1	g/l	0.65	1.16	Immunoturbidimetric
	mg/dl	65.1	116	
Apolipoprotein B	g/l	0.40	0.64	Immunoturbidimetric
	mg/dl	40.0	64.0	
AST (GOT)	U/l	45	113	Tris buffer no P5P IFCC/SFBC 37°C
	U/l	30	76	Tris buffer no P5P IFCC/SFBC 30°C
	U/l	21	54	Tris buffer no P5P IFCC/SFBC 25°C
Beta-2-microglobulin	µg/ml = mg/l	1.60	3.29	Immunoturbidimetric
Bicarbonate	mmol/l	13.7	25.4	Enzymatic
Bile Acids	µmol/l	18.4	29.1	5th Generation Colorimetric
Bilirubin Direct	µmol/l	14.7	25.2	Diazo with Sulphanilic Acid
	mg/dl	0.86	1.47	
Bilirubin Total	µmol/l	24.8	64.8	Diazo with Sulphanilic Acid
	mg/dl	1.45	3.79	
C-Reactive Protein	mg/l	1.29	17.6	Immunoturbidimetric
Caeruloplasmin	g/l	0.171	0.306	Immunoturbidimetric
Caffeine	µmol/l	12.9	33.0	Chemiluminescence
	µg/ml	2.50	6.41	
Calcium	mmol/l	1.78	2.29	Cresolphthalein complexone
	mg/dl	7.13	9.18	
	mmol/l	0.87	1.15	Ionised calcium
	mg/dl	3.47	4.61	
Carbamazepine	µmol/l	21.7	35.6	Immunoturbidimetric
	µg/ml	5.13	8.42	
Carcinoembryonic Antigen (CEA)	ng/ml = µg/l	0.60	1.00	Chemiluminescence
Chloride	mmol/l	78.9	99	ISE indirect
Cholesterol	mmol/l	3.54	4.72	Cholesterol Oxidase CDC
	mg/dl	137	182	
Cholinesterase	U/l	3,335	6,084	Colorimetric 37°C

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Analyte		target	target	
CK Total	U/l	60	268	Phosphate buffer DGKC 37°C
	U/l	38	168	Phosphate buffer DGKC 25°C
	U/l	26	114	Phosphate buffer DGKC 30°C
CK-MB Activity	U/l	<8	13	Immunoinhibition substrate start 37°C
	U/l	-	7.6	Immunoinhibition substrate start 30°C
	U/l	-	4.6	Immunoinhibition substrate start 25°C
Complement C3	g/l	0.63	1.30	Immunoturbidimetric
Complement C4	g/l	0.13	0.21	Immunoturbidimetric
Copper	µmol/l	13.9	18.8	Colorimetric
	µg/dl	88.4	120	
Cortisol	nmol/l	144	190	Radioimmunoassay
	µg/dl	5.18	6.84	
Creatinine	µmol/l	64.0	145	Alkaline picrate no deproteinization
	mg/dl	0.72	1.64	
D-3-Hydroxybutyrate	mmol/l	0.18	0.38	Enzymatic
DHEA-S	µmol/l	3.70	14.6	Chemiluminescence
Digoxin	nmol/l	0.60	2.09	Immunoturbidimetric
	ng/ml	0.47	1.63	
Ethanol	mg/dl	45.3	80.3	Enzymatic Colorimetric
Ferritin	ng/ml = µg/l	23.2	47.9	Immunoturbidimetric
Folate	nmol/l	15.6	9.75	Competitive Protein Binding Assay
	ng/ml	6.90	4.30	
Free T3	pmol/l	4.26	6.56	Chemiluminescence
	ng/dl	0.28	0.43	
	pg/ml	2.77	4.27	
Free Thyroxine (FT4)	pmol/l	11.8	20.3	Chemiluminescence
	pg/ml	9.23	15.8	
FSH	mU/ml	8.10	13.7	Chemiluminescence
Gentamicin	µmol/l	4.72	11.2	Immunoturbidimetric
	µg/ml	2.26	5.35	
gamma-GT	U/l	26	69	Gamma glutamyl.-3-carboxy-4-nitroanilide 37°C
	U/l	20	54	Gamma glutamyl.-3-carboxy-4-nitroanilide 30°C
	U/l	16	43	Gamma glutamyl.-3-carboxy-4-nitroanilide 25°C
GLDH	U/l	16	24	DGKC 37°C
	U/l	13	19	DGKC 30°C
	U/l	10	15	DGKC 25°C
Glucose	mmol/l	3.46	7.75	Glucose oxidase
	mg/dl	62.3	140	
Growth Hormone (GH)	µU/ml	1.44	2.43	Chemiluminescence
Haptoglobin	g/l	0.452	0.829	Immunoturbidimetric
HDL - Cholesterol	mmol/l	1.57	2.24	Direct Clearance Method
	mg/dl	60.6	86.5	
Human Chorionic Gonadotrophin	mU/ml	4.48	63.4	Chemiluminescence
Immunoglobulin A	g/l	1.11	1.92	Immunoturbidimetric
Immunoglobulin E	KIU/l = IU/ml	100	178	Immunoturbidimetric
Immunoglobulin G	g/l	6.76	12.1	Immunoturbidimetric
Immunoglobulin M	g/l	0.54	0.86	Immunoturbidimetric
Iron	µmol/l	13.6	25.0	Colorimetric without ppt.
	µg/dl	76.0	140	
Lactate	mmol/l	0.55	1.39	Enzymatic Colorimetric
	mg/dl	4.96	12.5	
LAP	U/l	16	26	NAGEL 37°C
LD (LDH)	U/l	108	284	Phosphate buffer DGKC 37°C
	U/l	78	205	Phosphate buffer DGKC 30°C
	U/l	55	144	Phosphate buffer DGKC 25°C

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Analyte		target	target	
LDL - Cholesterol	mmol/l	1.32	2.29	Direct Clearance Method
	mg/dl	51.0	88.4	
Lipase	U/l	24	60	Colorimetric 37°C
Lipoprotein (a)	mg/dl	9.60	8.13	Immunoturbidimetric
	nmol/l	21.7	18.6	
Lithium	mmol/l	0.42	0.81	Colorimetric
	mg/dl	0.29	0.56	
Luteinising Hormone (LH)	mU/ml	4.80	12.8	Chemiluminescence
Magnesium	mmol/l	0.53	1.04	Xylidyl Blue
	mg/dl	1.29	2.53	
Myoglobin	ng/ml	46.8	127	Immunoturbidimetric
Osmolality	mmol/kg	712	908	Freezing point depression
Paracetamol	mmol/l	0.04	0.27	Polarisation Fluoroimmunoassay
	mg/l	6.57	40.5	
Phenobarbital	µmol/l	29.1	113	Immunoturbidimetric
	µg/ml	6.75	26.1	
Phenytoin	µmol/l	23.8	39.8	Immunoturbidimetric
	µg/ml	6.01	10.0	
Phosphate Inorganic	mmol/l	0.75	1.20	Phosphomolybdate UV
	mg/dl	2.33	3.72	
Potassium	mmol/l	2.51	4.16	ISE indirect
Prealbumin	g/l	0.11	0.21	Immunoturbidimetric
Progesterone	nmol/l	2.81	27.1	Chemiluminescence
	ng/ml	0.88	8.48	
Prolactin	µU/ml	91.1	267	Chemiluminescence
Protein Total	g/l	40.7	66.7	Biuret reaction end point
	g/dl	4.07	6.67	
Salicylate	mmol/l	0.39	1.49	Colorimetric Trinder
	mg/dl	5.38	20.6	
Sodium	mmol/l	111	147	ISE indirect
T Uptake	%U	51.9	35.0	Siemens Immulite 1000
Testosterone	nmol/l	1.75	11.1	Chemiluminescence
	ng/ml	0.50	3.20	Chemiluminescence
	ng/dl	50.4	320	Chemiluminescence
Theophylline	µmol/l	29.1	70.8	Immunoturbidimetric
	µg/ml	5.24	12.8	
Thyroid Stimulating Hormone	µU/ml = mIU/l	0.96	4.23	Chemiluminescence
Thyroxine (T4)	nmol/l	42.0	95.1	Chemiluminescence
	µg/dl	3.28	7.42	Chemiluminescence
	ng/ml	32.8	74.2	Chemiluminescence
TIBC	µmol/l	36.6	51.9	FE + UIBC (saturation with iron)
	µg/dl	205	290	
Transferrin	g/l	1.24	2.28	Immunoturbidimetric
Triglycerides	mmol/l	1.37	2.48	Enzymatic Colorimetric
	mg/dl	121	219	
Triiodothyronine (T3)	nmol/l	0.91	1.49	Chemiluminescence
	ng/ml	0.59	0.97	Chemiluminescence
	ng/dl	59.2	97.0	Chemiluminescence
Troponin I	ng/ml = µg/l	0.18	0.44	Chemiluminescence
Troponin T	µg/l	0.18	0.37	Chemiluminescence

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TYPICAL VALUES	unit	Level 1	Level 2	methods
Analyte		target	target	
Urea	mmol/l	2.75	9.89	Enzymatic
	mg/dl	16.5	59.4	
Uric Acid (Urate)	mmol/l	0.15	0.25	Uricase Peroxidase with ascorbate oxidase (546nm)
	mg/dl	2.52	4.20	
Valproic Acid	µmol/l	229	269	Immunoturbidimetric
	µg/ml	33.0	38.8	
Vancomycin	µmol/l	1.95	6.80	Polarisation Fluoroimmunoassay
	µg/ml	2.90	10.1	
Vitamin B12	pmol/l	456	502	Competitive Protein Binding Assay
	pg/ml	618	680	
Zinc	µmol/l	13.7	26.9	Colorimetric
	µg/dl	89.5	176	