

		Lot 177UL	Lot 920UN	Lot 702UE	
		Level 1	Level 2	Level 3	methods
**TYPICAL VALUES**	unit	target	target	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	1,33	6,75	23,3	1-Naphthyl Phosphate substrate Kinetic 37°C
Acid Phosphatase (Total)	U/l	7,60	9,58	29,1	1-Naphthyl Phosphate substrate Kinetic 37°C
Albumin	g/l	26,1	43,7	52,4	Bromocresol Green
	g/dl	2,61	4,37	5,24	
Alkaline Phosphatase	U/l	48	215	414	Diethanolamine buffer DEA 37°C
	U/l	41	150	326	Diethanolamine buffer DEA 30°C
	U/l	34	123	268	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
Alphafoetoprotein	KIU/l = IU/ml	1,27	2,24	3,35	Chemiluminescence
	ng/ml	1,54	2,71	4,05	
ALT (GPT)	U/l	37	103	205	Tris buffer no P5P IFCC/SFBC 37°C
	U/l	28	68	164	Tris buffer no P5P IFCC/SFBC 30°C
	U/l	21	52	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	51	149	337	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	41	109	211	Tris buffer no P5P IFCC/SFBC 37°C
	U/l	26	76	144	Tris buffer no P5P IFCC/SFBC 30°C
	U/l	19	54	101	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	11,70	26,6	24,5	Enzymatic
Bile Acids	µmol/l	18,4	29,1	38,2	5th Genreation Colorimetric
Bilirubin Direct	µmol/l	12,40	22,8	35,7	Diazo with Sulphanilic Acid
	mg/dl	0,72	1,33	2,09	
Bilirubin Total	µmol/l	23,9	64,1	101,0	Diazo with Sulphanilic Acid
	mg/dl	1,39	3,75	5,90	
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	10,7	
Calcium	mmol/l	1,73	2,36	3,13	Cresolphthalein complexone
	mg/dl	6,93	9,45	12,5	
	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	86,9	104	113	ISE indirect
Cholesterol	mmol/l	3,67	5,35	7,30	Cholesterol Oxidase CDC
	mg/dl	142	207	285	
Cholinesterase	U/l	3.335	6.084	8.788	Colorimetric 37°C

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Analyte		target	target	target	
CK Total	U/l	60	250	565	Phosphate buffer DGKC 37°C
	U/l	34	146	293	Phosphate buffer DGKC 25°C
	U/l	23	99	199	Phosphate buffer DGKC 30°C
CK-MB Activity	U/l	12,0	155	385	Immunoinhibition substrate start 37°C
	U/l	6,97	90,1	224	Immunoinhibition substrate start 30°C
	U/l	4,26	55,0	137	Immunoinhibition 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	60,0	147	363	Alkaline picrate no deproteinization
	mg/dl	0,68	1,66	4,10	
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	30	76	186	Gamma glutamyl.-3-carboxy-4-nitroanilide 37°C
	U/l	24	61	151	Gamma glutamyl.-3-carboxy-4-nitroanilide 30°C
	U/l	19	48	118	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	3,37	7,46	20,9	Glucose oxidase
	mg/dl	60,7	134	377	
Growth Hormone (GH)	µU/ml	1,44	2,43	3,00	Chemiluminescence
Haptoglobin	g/l	0,452	0,829	1,23	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	167	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	13,5	27,1	34,6	Colorimetric without ppt.
	µg/dl	75,5	151	193	
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	105	259	469	Phosphate buffer DGKC 37°C
	U/l	38	131	248	Phosphate buffer DGKC 30°C
	U/l	26	92	174	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	11,3	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	0,48	0,96	1,70	Xylidyl Blue
	mg/dl	1,17	2,33	4,13	
Myoglobin	ng/ml	46,8	127	257	Immunoturbidimetric
Osmolality	mmol/kg	712	908	1.216	Freezing point depression
Paracetamol	mmol/l	0,04	0,27	0,96	Polarisation Fluoroimmunoassay
	mg/l	6,57	40,5	145	
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	0,71	1,29	2,15	Phosphomolybdate UV
	mg/dl	2,20	3,99	6,66	
Potassium	mmol/l	2,62	3,98	5,65	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	40,0	68,6	86,2	Biuret reaction end point
	g/dl	4,00	6,86	8,62	
Salicylate	mmol/l	0,39	1,49	3,29	Colorimetric Trinder
	mg/dl	5,38	20,6	45,3	
Sodium	mmol/l	113	139	155	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	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	1,50	2,66	3,73	Enzymatic Colorimetric
	mg/dl	133	235	330	
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	0,74	Chemiluminescence
Troponin T	µg/l	0,18	0,37	0,34	Chemiluminescence

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<b>**TYPICAL VALUES**</b>	unit	Level 1	Level 2	Level 3	methods
Analyte		target	target	target	
Urea	mmol/l	2,91	10,50	19,4	Enzymatic
	mg/dl	17,5	63,1	117	
Uric Acid (Urate)	mmol/l	0,16	0,25	0,52	Uricase Peroxidase with ascorbate oxidase (546nm)
	mg/dl	2,75	4,20	8,74	
Valproic Acid	µmol/l	229	269	410	Immunturbidimetric
	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	