

	Method Methode Método Méthode * 37°C	SI Units SI Einheiten Unidades SI Unités SI	Target Sollwert Valor asignado Valeur cible	Range Bereich Rango Marge	Units Einheiten Unidades Unités	Target Sollwert Valor asignado Valeur cible	Range Bereich Rango Marge
HUMAN							
ACID PHOSPHATASE	a-Naphtylphosphate *	µkat/l	0.18	0.12 - 0.24	U/l	10.6	7.10 - 14.1
ALBUMIN liquicolor	CRM 470 standardised	g/l	40.5	31.2 - 49.8	g/dl	4.05	3.12 - 4.98
ALKALINE PHOSPHATASE liquicolor	IFCC, AMP Buffer *	µkat/l	2.02	1.51 - 2.52	U/l	121	90.8 - 151
ALKALINE PHOSPHATASE opt. liquicolor	DGKC, DEA Buffer *	µkat/l	2.03	1.53 - 2.54	U/l	122	92 - 153
alpha-AMYLASE liquicolor	2-chloro-4-nitrophenyl-maltotrioside (CNP3) *	µkat/l	4.25	3.40 - 5.10	U/l	255	204 - 306
alpha-AMYLASE liquicolor	IFCC *	µkat/l	1.64	1.31 - 1.96	U/l	98.2	78.6 - 118
auto-BILIRUBIN-D liquicolor	DPD	µmol/l	26.3	19.5 - 33.2	mg/dl	1.54	1.14 - 1.94
auto-BILIRUBIN-T liquicolor	DPD	µmol/l	29.1	21.5 - 36.6	mg/dl	1.70	1.26 - 2.14
BILIRUBIN liquicolor	2,4 - Dichloroaniline DCA	µmol/l	28.7	21.3 - 36.2	mg/dl	1.68	1.24 - 2.12
BILIRUBIN DIRECT/TOTAL liquicolor, Direct	Jendrassik-Gróf	µmol/l	20.2	14.9 - 25.4	mg/dl	1.18	0.87 - 1.49
BILIRUBIN DIRECT/TOTAL liquicolor, Total	Jendrassik-Gróf	µmol/l	28.6	21.1 - 36.0	mg/dl	1.67	1.24 - 2.10
CALCIUM liquicolor	o-Cresolphthalein complexone	mmol/l	2.15	1.91 - 2.39	mg/dl	8.60	7.65 - 9.55
Chloride	ISE (direct)	mmol/l	104	94.6 - 113	mg/dl	369	335 - 402
CHLORIDE liquicolor	TPTZ	mmol/l	108	98.3 - 118	mg/dl	383	348 - 417
CHOLESTEROL liquicolor	CHOD-PAP	mmol/l	4.11	3.54 - 4.69	mg/dl	159	137 - 181
CK NAC activated	DGKC optimised *	µkat/l	2.87	2.29 - 3.44	U/l	172	138 - 206
CK NAC activated liquiUV	IFCC *	µkat/l	2.75	2.20 - 3.30	U/l	165	132 - 198
auto-CREATININE liquicolor	Jaffé, kinetic, without deproteinisation	µmol/l	91.1	71.0 - 111	mg/dl	1.03	0.80 - 1.26
CREATININE liquicolor	Jaffé, kinetic, without deproteinisation	µmol/l	105	82.1 - 128	mg/dl	1.19	0.93 - 1.45
CREATININE (enzym) liquicolor	Enzymatic colorimetric test	µmol/l	83.1	64.8 - 101	mg/dl	0.94	0.73 - 1.15
gamma-GT liquicolor	gamma-Glutamyl-3carboxy-4-nitroanilide *	µkat/l	1.18	0.92 - 1.43	U/l	70.5	55.0 - 86.0
GLUCOSE liquicolor	GOD-PAP	mmol/l	5.99	5.03 - 6.95	mg/dl	108	90.7 - 125
GLUCOSE liquiUV ^{mono}	Hexokinase /G6P-DH	mmol/l	5.77	4.85 - 6.70	mg/dl	104	87.4 - 121
GOT (ASAT) IFCC mod. liquiUV	IFCC without pyridoxal phosphate *	µkat/l	0.56	0.43 - 0.68	U/l	33.4	25.7 - 41.1
GPT (ALAT) IFCC mod. liquiUV	IFCC *	µkat/l	0.54	0.41 - 0.66	U/l	32.3	24.9 - 39.7
HDL CHOLESTEROL	CHOD-PAP after precipitation	mmol/l	2.34	1.87 - 2.81	mg/dl	90.5	72.4 - 109
IRON liquicolor	CAB	µmol/l	22.4	19.2 - 25.5	µg/dl	125	108 - 143
IRON TPTZ liquicolor	TPTZ for HS 100/200; HS 300SR	µmol/l	23.8	20.5 - 27.1	µg/dl	133	114 - 152
	TPTZ - other instruments	µmol/l	21.3	18.3 - 24.3	µg/dl	119	102 - 136
LDH SCE mod. liquiUV	SCE mod. Pyruvate - Lactate *	µkat/l	6.45	5.29 - 7.61	U/l	387	317 - 457
MAGNESIUM liquicolor	Xylidyl blue - for HS 150SR	mmol/l	0.88	0.74 - 1.03	mg/dl	2.15	1.81 - 2.49
	Xylidyl blue - other instruments	mmol/l	0.76	0.64 - 0.89	mg/dl	1.86	1.56 - 2.16
PANCREAS-AMYLASE liquicolor	EPS-G7 *	µkat/l	1.47	1.17 - 1.76	U/l	87.9	70.3 - 105
PHOSPHORUS liquirapid	Phosphomolybdate	mmol/l	1.43	1.18 - 1.69	mg/dl	4.44	3.64 - 5.24
Potassium	ISE (direct)	mmol/l	4.67	4.20 - 5.14	mval/l	4.67	4.20 - 5.14
POTASSIUM liquirapid	Tetraphenylboron	mmol/l	4.17	3.75 - 4.59	mval/l	4.17	3.75 - 4.59
POTASSIUM liquiUV	Enzymatic UV test	mmol/l	4.75	4.28 - 5.23	mval/l	4.75	4.28 - 5.23
Sodium	ISE (direct)	mmol/l	141	127 - 155	mval/l	141	127 - 155
SODIUM liquicolor	Enzymatic colorimetric test	mmol/l	131	118 - 144	mval/l	131	118 - 144
SODIUM rapid	Mg-uranylacetate	mmol/l	128	115 - 141	mval/l	128	115 - 141
TIBC (total Iron binding capacity with IRON liquicolor)	Aluminum oxide adsorption CAB	µmol/l	87.9	70.3 - 105	µg/dl	491	393 - 589
TIBC (total Iron binding capacity with IRON TPTZ liquicolor)	Aluminum oxide adsorption TPTZ	µmol/l	86.1	68.9 - 103	µg/dl	481	385 - 577
TOTAL PROTEIN liquicolor	Biuret	g/l	87.7	78.1 - 97.3	g/dl	8.77	7.81 - 9.73
TRIGLYCERIDES liquicolor ^{mono}	GPO-PAP	mmol/l	1.65	1.36 - 1.95	mg/dl	145	119 - 171
UREA liquicolor	mod. Berthelot reaction	mmol/l	5.38	4.19 - 6.56	mg/dl	32.3	25.2 - 39.4
UREA liquiUV	Urease/GLDH	mmol/l	5.43	4.23 - 6.62	mg/dl	32.6	25.4 - 39.8
URIC ACID liquicolor ^{plus}	Uricase-PAP	µmol/l	255	219 - 290	mg/dl	4.28	3.68 - 4.88
URIC ACID liquicolor	Uricase-PAP	µmol/l	284	245 - 324	mg/dl	4.78	4.11 - 5.45

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Other Manufacturers							
alpha-Amylase	EPS-G7, IFCC *	µkat/l	1.55	1.24 - 1.86	U/l	93.0	74.4 - 112
Acid Phosphatase	IFCC *	µkat/l	0.16	0.12 - 0.20	U/l	9.73	7.49 - 12.0
Alanine Aminotransferase (ALAT, GPT)	IFCC *	µkat/l	0.50	0.39 - 0.62	U/l	30.1	23.2 - 37.0
Albumin	Bromocresol Green CRM standardised	g/l	37.3	28.7 - 45.9	g/dl	3.73	2.87 - 4.59
Alkaline Phosphatase	IFCC, AMP buffer *	µkat/l	1.38	1.03 - 1.72	U/l	82.6	62.0 - 103
Aspartate Aminotransferase (AST, GOT)	IFCC *	µkat/l	0.49	0.38 - 0.61	U/l	29.6	22.8 - 36.4
Bilirubin direct	Jendrassik-Gróf	µmol/l	20.2	14.9 - 25.4	mg/dl	1.18	0.87 - 1.49
Bilirubin total	Jendrassik-Gróf	µmol/l	28.6	21.1 - 36.0	mg/dl	1.67	1.24 - 2.10
Calcium	o-Cresolphthalein	mmol/l	2.19	1.95 - 2.43	mg/dl	8.76	7.80 - 9.72
Chloride	ISE	mmol/l	96.5	87.8 - 105	mg/dl	342	311 - 373
Cholesterol total	CHOD-PAP	mmol/l	3.96	3.40 - 4.51	mg/dl	153	132 - 174
Creatine Kinase	IFCC *	µkat/l	2.63	2.11 - 3.16	U/l	158	126 - 190
Creatinine	Jaffé kinetic without deproteinisation	µmol/l	86.6	67.6 - 106	mg/dl	0.98	0.76 - 1.20
gamma-Glutamyl Transferase (GGT)	gamma-Glutamyl-4-nitroanilide *	µkat/l	0.92	0.72 - 1.12	U/l	55.1	43.0 - 67.2
Glucose	Hexokinase /G6P-DH	mmol/l	5.61	4.71 - 6.50	mg/dl	101	84.8 - 117
Iron	Ferrozine	µmol/l	20.8	17.9 - 23.7	µg/dl	116	100 - 132
Lactate Dehydrogenase (LDH)	IFCC Lactate - Pyruvate *	µkat/l	2.73	2.24 - 3.23	U/l	164	134 - 194
Lithium	ISE (direct)	mmol/l	0.90	0.77 - 1.03	mval/l	0.90	0.77 - 1.03
Magnesium	Xylidyl blue	mmol/l	0.75	0.63 - 0.87	mg/dl	1.82	1.53 - 2.12
Phosphorus	Molybdate UV	mmol/l	1.33	1.09 - 1.57	mg/dl	4.12	3.38 - 4.86
Potassium	ISE (indirect)	mmol/l	4.38	3.99 - 4.77	mval/l	4.38	3.99 - 4.77
Protein total	Biuret	g/l	74.2	66.0 - 82.4	g/dl	7.42	6.60 - 8.24
Sodium	ISE (indirect)	mmol/l	129	121 - 137	mval/l	129	121 - 137
Triglycerides	GPO-PAP	mmol/l	1.60	1.31 - 1.88	mg/dl	140	115 - 165
Urea	Urease	mmol/l	4.33	3.38 - 5.28	mg/dl	26.0	20.3 - 31.7
Uric Acid	Enzymatic colorimetric test	µmol/l	242	208 - 276	mg/dl	4.07	3.50 - 4.64