

Target Values / Sollwerte / Valores asignados/ Valeurs cibles

<https://www.human.de/target-value-sheets/>

	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							
alpha-Amylase	2-chloro-4-nitrophenyl-maltotrioside (CNP3) *	µkat/l	5.97	4.77 - 7.16	U/l	358	286 - 430
alpha-Amylase	IFCC-standardised *	µkat/l	2.23	1.78 - 2.68	U/l	134	107 - 161
Acid Phosphatase total	a-Naphtylphosphate *	µkat/l	0.17	0.11 - 0.22	U/l	10.1	6.77 - 13.4
Alanine Aminotransferase (ALAT, GPT)	IFCC mod. *	µkat/l	2.32	1.78 - 2.85	U/l	139	107 - 171
Albumin	CRM 470 standardised	g/l	35.8	27.6 - 44.0	g/dl	3.58	2.76 - 4.40
Alkaline Phosphatase	DGKC, DEA Buffer *	µkat/l	9.9	7.39 - 12.3	U/l	591	443 - 739
Alkaline Phosphatase	IFCC, AMP Buffer *	µkat/l	9.89	7.41 - 12.4	U/l	593	445 - 741
Aspartate Aminotransferase (ASAT, GOT)	IFCC mod. without pyridoxal phosphate *	µkat/l	2.50	1.93 - 3.08	U/l	150	116 - 185
auto-Bilirubin direct	DPD	µmol/l	56.6	41.9 - 71.3	mg/dl	3.31	2.45 - 4.17
auto-Bilirubin total	DPD	µmol/l	76.1	56.3 - 95.9	mg/dl	4.45	3.29 - 5.61
Bilirubin direct	Jendrassik-Gróf	µmol/l	61.1	45.2 - 76.9	mg/dl	3.57	2.64 - 4.50
Bilirubin total	Jendrassik-Gróf	µmol/l	75.4	55.8 - 95.0	mg/dl	4.41	3.26 - 5.56
Bilirubin total	2,4 - Dichloroaniline DCA	µmol/l	74.7	55.3 - 94.2	mg/dl	4.37	3.23 - 5.51
Calcium	o-Cresolphthalein complexone	mmol/l	3.35	2.98 - 3.72	mg/dl	13.4	11.9 - 14.9
Chloride	ISE (direct)	mmol/l	124	113 - 135	mg/dl	440	400 - 479
Chloride	TPTZ	mmol/l	128	116 - 140	mg/dl	454	413 - 495
Cholesterol total	CHOD-PAP	mmol/l	6.41	5.52 - 7.31	mg/dl	248	213 - 283
Creatine Kinase CK NAC liquiUV	IFCC mod.*	µkat/l	8.74	6.99 - 10.5	U/l	524	419 - 629
Creatine Kinase CK NAC activated	DGKC optimised *	µkat/l	8.60	6.88 - 10.3	U/l	516	413 - 619
Creatinine	Enzymatic colorimetric test	µmol/l	383	299 - 467	mg/dl	4.33	3.38 - 5.28
Creatinine	Jaffé, kinetic, without deproteinisation	µmol/l	376	293 - 458	mg/dl	4.25	3.32 - 5.19
auto-Creatinine	Jaffé, kinetic, without deproteinisation	µmol/l	355	277 - 434	mg/dl	4.02	3.14 - 4.90
gamma-Glutamyl Transferase (GGT)	gamma-Glutamyl-3carboxy-4-nitroanilide *	µkat/l	2.57	2.00 - 3.13	U/l	154	120 - 188
Glucose liquiUV	Hexokinase /G6P-DH	mmol/l	12.8	10.8 - 14.9	mg/dl	231	194 - 268
Glucose liquicolor	GOD-PAP	mmol/l	12.9	10.8 - 14.9	mg/dl	232	195 - 269
HDL-Cholesterol	CHOD-PAP after precipitation	mmol/l	3.41	2.73 - 4.10	mg/dl	132	106 - 158
Iron	CAB	µmol/l	40.3	34.6 - 45.9	µg/dl	225	194 - 257
Iron	TPTZ	µmol/l	55.1	47.4 - 62.9	µg/dl	308	265 - 351
Lactate Dehydrogenase (LDH)	SCE mod. Pyruvate - Lactate *	µkat/l	12.1	9.91 - 14.3	U/l	725	595 - 856
Magnesium	Xylidyl blue	mmol/l	1.23	1.04 - 1.43	mg/dl	3.00	2.52 - 3.48
Pancreas Amylase	EPS-G7 *	µkat/l	2.05	1.64 - 2.46	U/l	123	98.4 - 148
Phosphorus	Phosphomolybdate	mmol/l	2.96	2.43 - 3.50	mg/dl	9.18	7.53 - 10.8
Potassium	ISE (direct)	mmol/l	6.62	5.96 - 7.28	mval/l	6.62	5.96 - 7.28
Potassium liquirapid	Tetraphenylboron	mmol/l	5.97	5.37 - 6.57	mval/l	5.97	5.37 - 6.57
Potassium liquiUV	Enzymatic UV test	mmol/l	6.77	6.09 - 7.45	mval/l	6.77	6.09 - 7.45
Protein total	Biuret	g/l	85.6	76.2 - 95.0	g/dl	8.56	7.62 - 9.50
Sodium	ISE (direct)	mmol/l	167	150 - 184	mval/l	167	150 - 184
Sodium liquicolor	Enzymatic colorimetric test	mmol/l	154	139 - 169	mval/l	154	139 - 169
Sodium rapid	Mg-uranylacetate	mmol/l	141	127 - 155	mval/l	141	127 - 155
TIBC Total Iron Binding Capacity	Aluminum oxide adsorption CAB	µmol/l	63.5	50.8 - 76.3	µg/dl	355	284 - 426
TIBC Total Iron Binding Capacity	Aluminum oxide adsorption TPTZ	µmol/l	88.8	71.0 - 107	µg/dl	496	397 - 595
Triglycerides	GPO-PAP	mmol/l	2.74	2.24 - 3.23	mg/dl	240	197 - 283
Urea liquicolor	mod. Berthelot reaction	mmol/l	12.0	9.35 - 14.6	mg/dl	72.0	56.2 - 87.8
Urea liquiUV	Urease/GLDH	mmol/l	12.5	9.75 - 15.3	mg/dl	75.1	58.6 - 91.6
Uric Acid	Uricase-PAP	µmol/l	508	437 - 579	mg/dl	8.54	7.34 - 9.74

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HumaTrol P

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Link for latest version of target value sheet:

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Uric Acid liquicolor plus	Uricase-PAP	µmol/l	551	474 - 628	mg/dl	9.26	7.96 - 10.6
Other Manufacturers							
alpha-Amylase	EPS-G7, IFCC *	µkat/l	2.63	2.11 - 3.16	U/l	158	126 - 190
Acid Phosphatase	IFCC *	µkat/l	0.18	0.14 - 0.22	U/l	10.8	8.32 - 13.3
Alanine Aminotransferase (ALAT, GPT)	IFCC *	µkat/l	2.15	1.66 - 2.65	U/l	129	99 - 159
Albumin	Bromocresol Green CRM standardised	g/l	31.9	24.6 - 39.2	g/dl	3.19	2.46 - 3.92
Alkaline Phosphatase	IFCC, AMP buffer *	µkat/l	6.30	4.72 - 7.87	U/l	378	283 - 472
Aspartate Aminotransferase (AST, GOT)	IFCC mod. *	µkat/l	2.36	1.82 - 2.90	U/l	142	109 - 174
Bilirubin direct	Jendrassik-Gróf	µmol/l	56.8	42.0 - 71.5	mg/dl	3.32	2.46 - 4.18
Bilirubin total	Jendrassik-Gróf	µmol/l	72.2	53.4 - 90.9	mg/dl	4.22	3.12 - 5.32
Calcium	o-Cresolphthalein	mmol/l	3.35	2.98 - 3.72	mg/dl	13.4	11.9 - 14.9
Chloride	ISE	mmol/l	115	105 - 125	mg/dl	408	371 - 444
Cholesterol total	CHOD-PAP	mmol/l	6.36	5.47 - 7.25	mg/dl	246	212 - 280
Copper	AAS	µmol/l	14.6	11.7 - 17.6	µg/dl	93.0	74.4 - 112
Creatine Kinase	IFCC *	µkat/l	8.59	6.87 - 10.3	U/l	515	412 - 618
Creatinine	Jaffé kinetic without deproteinisation	µmol/l	383	299 - 467	mg/dl	4.33	3.38 - 5.28
gamma-Glutamyl Transferase (GGT)	gamma-Glutamyl-4-nitroanilide *	µkat/l	2.38	1.86 - 2.91	U/l	143	112 - 174
Glucose	Hexokinase /G6P-DH	mmol/l	12.6	10.6 - 14.6	mg/dl	227	191 - 263
Iron	Ferrozine	µmol/l	49.6	42.6 - 56.5	µg/dl	277	238 - 316
Lactate Dehydrogenase (LDH)	IFCC Lactate - Pyruvate *	µkat/l	5.20	4.26 - 6.14	U/l	312	256 - 368
Lithium	ISE (direct)	mmol/l	1.69	1.45 - 1.93	mval/l	1.69	1.45 - 1.93
Magnesium	Xylidyl blue	mmol/l	1.19	1.00 - 1.38	mg/dl	2.90	2.43 - 3.36
Phosphorus	Molybdate UV	mmol/l	2.83	2.32 - 3.34	mg/dl	8.76	7.19 - 10.3
Potassium	ISE (indirect)	mmol/l	6.25	5.69 - 6.81	mval/l	6.25	5.69 - 6.81
Protein total	Biuret	g/l	70.8	63.0 - 78.6	g/dl	7.08	6.30 - 7.86
Sodium	ISE (indirect)	mmol/l	155	146 - 164	mval/l	155	146 - 164
Triglycerides	GPO-PAP	mmol/l	2.69	2.21 - 3.17	mg/dl	236	194 - 278
Urea	Urease	mmol/l	11.5	8.96 - 14.0	mg/dl	69.0	53.8 - 84.2
Uric Acid	Enzymatic colorimetric test	µmol/l	551	474 - 629	mg/dl	9.27	7.97 - 10.6