

HumaTrol N

REF 13511

LOT 0005

Target Values / Sollwerte / Valores asignados/ Valeurs cibles

	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-maltotriose (CNP63) *	µkat/l	4.00	3.20 - 4.80	U/l	240	192 - 288
alpha-Amylase	IFCC-standardised *	µkat/l	1.49	1.19 - 1.78	U/l	89.4	71.5 - 107
Acid Phosphatase total	a-Naphtylphosphate *	µkat/l	0.14	0.10 - 0.19	U/l	8.54	5.72 - 11.4
Alanine Aminotransferase (ALAT, GPT)	IFCC mod. *	µkat/l	0.42	0.33 - 0.52	U/l	25.4	19.6 - 31.2
Albumin	CRM 470 standardised	g/l	33.8	26.0 - 41.6	g/dl	3.38	2.60 - 4.16
Alkaline Phosphatase	DGKC, DEA Buffer *	µkat/l	3.12	2.34 - 3.90	U/l	187	140 - 234
Alkaline Phosphatase	IFCC, AMP Buffer *	µkat/l	2.33	1.75 - 2.92	U/l	140	105 - 175
Aspartate Aminotransferase (ASAT, GOT)	IFCC mod. without pyridoxal phosphate *	µkat/l	0.49	0.38 - 0.61	U/l	29.6	22.8 - 36.4
auto-Bilirubin direct	DPD	µmol/l	19.7	14.6 - 24.8	mg/dl	1.15	0.85 - 1.45
auto-Bilirubin total	DPD	µmol/l	25.3	18.7 - 31.9	mg/dl	1.48	1.10 - 1.86
Bilirubin direct	Jendrassik-Gróf	µmol/l	21.2	15.7 - 26.7	mg/dl	1.24	0.92 - 1.56
Bilirubin total	Jendrassik-Gróf	µmol/l	25.3	18.7 - 31.9	mg/dl	1.48	1.10 - 1.86
Bilirubin total	2,4 - Dichloroaniline DCA	µmol/l	27.7	20.5 - 34.9	mg/dl	1.62	1.20 - 2.04
Calcium	o-Cresolphthalein complexone	mmol/l	2.23	1.98 - 2.47	mg/dl	8.91	7.93 - 9.89
Chloride	ISE (direct)	mmol/l	103	93.7 - 112	mg/dl	365	332 - 398
Chloride	TPTZ	mmol/l	109	99.2 - 119	mg/dl	386	352 - 421
Cholesterol total	CHOD-PAP	mmol/l	4.50	3.87 - 5.13	mg/dl	174	150 - 198
Creatine Kinase CK NAC liquiUV	IFCC mod.*	µkat/l	2.38	1.91 - 2.86	U/l	143	114 - 172
Creatine Kinase CK NAC activated	DGKC optimised *	µkat/l	2.38	1.91 - 2.86	U/l	143	114 - 172
Creatinine	Enzymatic colorimetric test	µmol/l	87.5	68.3 - 107	mg/dl	0.99	0.77 - 1.21
Creatinine	Jaffé, kinetic, without deproteinisation	µmol/l	106	82.7 - 129	mg/dl	1.20	0.94 - 1.46
auto-Creatinine	Jaffé, kinetic, without deproteinisation	µmol/l	93.7	73.1 - 114	mg/dl	1.06	0.83 - 1.29
gamma-Glutamyl Transferase (GGT)	gamma-Glutamyl-3carboxy-4-nitroanilide *	µkat/l	1.05	0.82 - 1.28	U/l	63.1	49.2 - 77.0
Glucose liquiUV	Hexokinase /G6P-DH	mmol/l	5.72	4.80 - 6.63	mg/dl	103	86.5 - 119
Glucose liquicolor	GOD-PAP	mmol/l	5.72	4.80 - 6.63	mg/dl	103	86.5 - 119
HDL-Cholesterol	CHOD-PAP after precipitation	mmol/l	2.42	1.93 - 2.90	mg/dl	93.5	74.8 - 112
Iron	CAB	µmol/l	19.2	16.5 - 21.8	µg/dl	107	92.0 - 122
Iron	TPTZ	µmol/l	23.4	20.2 - 26.7	µg/dl	131	113 - 149
Lactate Dehydrogenase (LDH)	SCE mod. Pyruvate - Lactate *	µkat/l	7.25	5.95 - 8.56	U/l	435	357 - 513
Magnesium	Xylidyl blue	mmol/l	0.83	0.70 - 0.96	mg/dl	2.02	1.70 - 2.34
Pancreas Amylase	EPS-G7 *	µkat/l	1.36	1.09 - 1.63	U/l	81.6	65.3 - 97.9
Phosphorus	Phosphomolybdate	mmol/l	1.39	1.14 - 1.63	mg/dl	4.29	3.52 - 5.06
Potassium	ISE (direct)	mmol/l	4.40	3.96 - 4.84	mval/l	4.40	3.96 - 4.84
Potassium liquirapid	Tetraphenylboron	mmol/l	3.96	3.56 - 4.36	mval/l	3.96	3.56 - 4.36
Potassium liquiUV	Enzymatic UV test	mmol/l	4.44	4.00 - 4.88	mval/l	4.44	4.00 - 4.88
Protein total	Biuret	g/l	81.5	72.5 - 90.5	g/dl	8.15	7.25 - 9.05
Sodium	ISE (direct)	mmol/l	136	122 - 150	mval/l	136	122 - 150
Sodium liquicolor	Enzymatic colorimetric test	mmol/l	132	119 - 145	mval/l	132	119 - 145
Sodium rapid	Mg-uranylacetate	mmol/l	127	114 - 140	mval/l	127	114 - 140
TIBC Total Iron Binding Capacity	Aluminum oxide adsorption CAB	µmol/l	49.4	39.5 - 59.3	µg/dl	276	221 - 331
TIBC Total Iron Binding Capacity	Aluminum oxide adsorption TPTZ	µmol/l	71.6	57.3 - 85.9	µg/dl	400	320 - 480
Triglycerides	GPO-PAP	mmol/l	1.47	1.21 - 1.74	mg/dl	129	106 - 152
Urea liquicolor	mod. Berthelot reaction	mmol/l	4.86	3.79 - 5.93	mg/dl	29.2	22.8 - 35.6
Urea liquiUV	Urease/GLDH	mmol/l	5.00	3.90 - 6.09	mg/dl	30.0	23.4 - 36.6
Uric Acid	Uricase-PAP	µmol/l	280	240 - 319	mg/dl	4.70	4.04 - 5.36
Uric Acid liquicolor plus	Uricase-PAP	µmol/l	252	217 - 288	mg/dl	4.24	3.65 - 4.83

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Other Manufacturers							
alpha-Amylase	EPS-G7, IFCC *	µkat/l	1.52	1.21 - 1.82	U/l	91.0	72.8 - 109
α-Hydroxybutyrate Dehydrogenase (α-HBDH)	DGKC opt. *	µkat/l	1.73	1.39 - 2.08	U/l	104	83.2 - 125
Acid Phosphatase	IFCC *	µkat/l	0.16	0.12 - 0.19	U/l	9.40	7.24 - 11.6
Alanine Aminotransferase (ALAT, GPT)	IFCC *	µkat/l	0.39	0.30 - 0.48	U/l	23.2	17.9 - 28.5
Albumin	Bromocresol Green CRM standardised	g/l	33.5	25.8 - 41.2	g/dl	3.35	2.58 - 4.12
Alkaline Phosphatase	IFCC, AMP buffer *	µkat/l	1.24	0.93 - 1.55	U/l	74.5	55.9 - 93.1
Aspartate Aminotransferase (AST, GOT)	IFCC mod. *	µkat/l	0.45	0.34 - 0.55	U/l	26.7	20.6 - 32.8
Bilirubin direct	Jendrassik-Gróf	µmol/l	18.6	13.80 - 23.5	mg/dl	1.09	0.81 - 1.37
Bilirubin total	Jendrassik-Gróf	µmol/l	26.3	19.5 - 33.2	mg/dl	1.54	1.14 - 1.94
Calcium	o-Cresolphthalein	mmol/l	2.27	2.02 - 2.52	mg/dl	9.08	8.08 - 10.1
Chloride	ISE	mmol/l	96.9	88.2 - 106	mg/dl	344	313 - 374
Cholesterol total	CHOD-PAP	mmol/l	4.42	3.80 - 5.04	mg/dl	171	147 - 195
Copper	AAS	µmol/l	15.0	12.0 - 18.0	µg/dl	95.5	76.4 - 114.6
Creatine Kinase	IFCC *	µkat/l	2.43	1.95 - 2.92	U/l	146	117 - 175
Creatinine	Jaffé kinetic without deproteinisation	µmol/l	93.7	73.1 - 114	mg/dl	1.06	0.83 - 1.29
gamma-Glutamyl Transferase (GGT)	gamma-Glutamyl-4-nitroanilide *	µkat/l	0.95	0.74 - 1.16	U/l	57.1	44.5 - 69.7
Glucose	Hexokinase /G6P-DH	mmol/l	5.56	4.67 - 6.45	mg/dl	100	84.2 - 116
Iron	Ferrozine	µmol/l	21.7	18.6 - 24.7	µg/dl	121	104 - 138
Lactate Dehydrogenase (LDH)	IFCC Lactate - Pyruvate *	µkat/l	3.02	2.47 - 3.56	U/l	181	148 - 214
Lithium	ISE (direct)	mmol/l	0.85	0.73 - 0.97	mval/l	0.85	0.73 - 0.97
Magnesium	Xylidyl blue	mmol/l	0.81	0.68 - 0.94	mg/dl	1.97	1.66 - 2.29
Phosphorus	Molybdate UV	mmol/l	1.39	1.14 - 1.64	mg/dl	4.30	3.53 - 5.08
Potassium	ISE (indirect)	mmol/l	4.35	3.96 - 4.74	mval/l	4.35	3.96 - 4.74
Protein total	Biuret	g/l	69.2	61.6 - 76.8	g/dl	6.92	6.16 - 7.68
Sodium	ISE (indirect)	mmol/l	131	123 - 139	mval/l	131	123 - 139
Triglycerides	GPO-PAP	mmol/l	1.46	1.20 - 1.72	mg/dl	128	105 - 151
Urea	Urease	mmol/l	4.66	3.64 - 5.69	mg/dl	28.0	21.8 - 34.2
Uric Acid	Enzymatic colorimetric test	µmol/l	250	215 - 285	mg/dl	4.20	3.61 - 4.79
Zink	AAS	µmol/l	14.0	12.0 - 15.9	mg/dl	0.24	0.20 - 0.27