Serodos® plus

REF 13151 **LOT** 0004

Link for latest version of target value sheet:

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

Target Values / Sollwerte / Valores Meta/ Valeurs Souhaitées

	Method Methode Método Méthode * 37°C	SI Units SI Einheiten Unitades SI Unités SI	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge	Units Einheiten Unitades Unités	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge
Human							
Acid Phosphatase total	α-Naphtylphosphate *	µkat/l	0.20	0.14 - 0.27	U/l	12.2	8.17 - 16.2
alpha-Amylase	2-chloro-4-nitrophenyl-maltotrioside (CNPG3) *	µkat/l	12.8	10.3 - 15.4	U/l	770	616 - 924
alpha-Amylase	IFCC-standardised *	µkat/l	4.87	3.90 5.83	U/l	292	234 - 350
Alanine Aminotransferase (ALAT, GPT)	IFCC mod. *	µkat/l	2.38	1.84 - 2.93	U/l	143	110 - 176
Albumin	CRM 470 standardised	g/l	45.6	35.1 - 56.1	g/dl	4.56	3.51 - 5.61
Alkaline Phosphatase	DGKC, DEA Buffer *	µkat/l	8.55	6.41 - 10.7	U/l	513	385 - 641
Alkaline Phosphatase	IFCC, AMP Buffer *	µkat/l	5.85	4.39 - 7.31	U/l	351	263 - 439
Aspartate Aminotransferase (ASAT, GOT)	IFCC mod. without pyridoxal phosphate *	µkat/l	2.52	1.94 - 3.10	U/l	151	116 - 186
auto-Bilirubin direct	DPD	µmol/l	45.8	33.9 - 57.8	mg/dl	2.68	1.98 - 3.38
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	47.9	35.4 - 60.3	mg/dl	2.80	2.07 - 3.53
Bilirubin total	Jendrassik-Gróf	µmol/l	74.2	54.9 - 93.5	mg/dl	4.34	3.21 - 5.47
Bilirubin total	2,4 - Dichloroaniline DCA	µmol/l	78.7	58.2 - 99.1	mg/dl	4.60	3.40 - 5.80
Calcium	o-Cresolphthalein complexone	mmol/l	3.23	2.87 - 3.58	mg/dl	12.9	11.5 - 14.3
Chloride	ISE (direct)	mmol/l	125	114 - 136	mg/dl	443	403 - 483
Chloride	TPTZ*	mmol/l	138	126 - 150	mg/dl	489	445 - 533
Cholesterol total	CHOD-PAP	mmol/l	6.39	5.49 - 7.28	mg/dl	247	212 - 282
Cholinesterase	Butyrylthiocholine *	µkat/l	123	101 - 145	U/l	7376	6048 - 8704
Creatine Kinase CK NAC activated	DGKC optimised *	µkat/l	8.45	6.76 - 10.1	U/l	507	406 - 608
Creatine Kinase CK NAC liquiUV	IFCC mod.*	µkat/l	8.18	6.55 - 9.82	U/l	491	393 - 589
Creatinine	Jaffé, kinetic, without deproteinisation	µmol/l	451	352 - 550	mg/dl	5.10	3.98 - 6.22
auto-Creatinine	Jaffé, kinetic, without deproteinisation	µmol/l	415	323 - 506	mg/dl	4.69	3.66 - 5.72
Creatinine enzymatic	Enzymatic colorimetric test *	µmol/l	453	353 - 552	mg/dl	5.12	3.99 - 6.25
gamma-Glutamyl Transferase (GGT)	IFCC *	µkat/l	2.42	1.89 - 2.95	U/l	145	113 - 177
Glucose liquiUV	Hexokinase /G6P-DH	mmol/l	13.4	11.2 - 15.5	mg/dl	241	202 - 280
Glucose liquicolor	GOD-PAP	mmol/l	13.3	11.1 - 15.4	mg/dl	239	201 - 277
HDL-Cholesterol	CHOD-PAP after precipitation	mmol/l	2.37	1.90 - 2.84	mg/dl	91.6	73.3 - 110
HDL-Cholesterol liquicolor	Direct enzymatic test	mmol/l	2.48	1.99 - 2.98	mg/dl	96	76.8 - 115
Iron	CAB	µmol/l	22.7	19.6 - 25.9	µg/dl	127	109 - 145
Iron	TPTZ	µmol/l	31.1	26.8 - 35.5	µg/dl	174	150 - 198
Lactate Dehydrogenase (LDH)	SCE mod. Pyruvate - Lactate *	µkat/l	12.3	10.1 - 14.5	U/l	737	604 - 870
LDL-Cholesterol	Direct enzymatic test	mmol/l	3.05	2.44 - 3.66	mg/dl	118	94.4 - 142
Lipase	Enzymatic colorimetric test *	µkat/l	1.14	0.91 - 1.37	U/l	68.4	54.7 - 82.1
Magnesium	Xylidyl blue	mmol/l	1.26	1.06 - 1.46	mg/dl	3.06	2.57 - 3.55
Pancreas Amylase	EPS-G7 *	µkat/l	3.93	3.15 - 4.72	U/l	236	189 - 283
Phosphorus	Phosphomolybdate	mmol/l	2.98	2.45 - 3.52	mg/dl	9.24	7.58 - 10.9
Potassium	ISE (direct)	mmol/l	6.77	6.09 - 7.45	mval/l	6.77	6.09 - 7.45
Potassium liquiUV	Enzymatic UV Test	mmol/l	6.95	6.26 - 7.65	mval/l	6.95	6.26 - 7.65
Potassium liquirapid	Tetraphenylboron	mmol/l	6.61	5.95 - 7.27	mval/l	6.61	5.95 - 7.27
Protein total	Biuret	g/l	82.1	73.1 - 91.1	g/dl	8.21	7.31 - 9.11
Sodium	ISE (direct)	mmol/l	167	150 - 184	mval/l	167	150 - 184
Sodium liquicolor	Enzymatic colorimetric test	mmol/l	151	136 - 166	mval/l	151	136 - 166

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07-2018-04

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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	73.7	59.0 - 88.5	µg/dl	412	330 - 494
TIBC Total Iron Binding Capacity	Aluminum oxide adsorption TPTZ	µmol/l	88.2	70.6 - 106	µg/dl	493	394 - 592
Triglycerides	GPO-PAP	mmol/l	2.69	2.21 - 3.17	mg/dl	236	194 - 278
Urea liquicolor	mod. Berthelot reaction	mmol/l	8.42	6.57 - 10.3	mg/dl	50.6	39.5 - 61.7
Urea liquiUV	Urease/GLDH	mmol/l	8.81	6.87 - 10.7	mg/dl	52.9	41.3 - 64.5
Uric Acid	Uricase-PAP	µmol/l	545	469 - 622	mg/dl	9.17	7.89 - 10.5
Uric Acid liquicolor plus	Uricase-PAP	µmol/l	613	527 - 698	mg/dl	10.3	8.86 - 11.7
Other Manufacturers							
Acid Phosphatase	a-Naphtylphosphat	µkat/l	0.22	0.16 - 0.27	U/l	13.0	9.75 - 16.3
alpha-Amylase	EPS-G7, IFCC *	µkat/l	4.53	3.63 - 5.44	U/l	272	218 - 326
Alanine Aminotransferase (ALAT, GPT)	IFCC *	µkat/l	2.23	1.72 - 2.75	U/l	134	103 - 165
Albumin	CRM470 standardised	g/l	43.0	33.1 - 52.9	g/dl	4.30	3.31 - 5.29
Alkaline Phosphatase	IFCC *	µkat/l	4.18	3.14 - 5.23	U/l	251	188 - 314
Aspartate Aminotransferase (ASAT, GOT)	IFCC *	µkat/l	2.42	1.86 - 2.97	U/l	145	112 - 178
Bilirubin direct	Jendrassik-Gróf	µmol/l	46.2	34.2 - 58.2	mg/dl	2.70	2.00 - 3.40
Bilirubin total	Jendrassik-Gróf	µmol/l	75.8	56.1 - 95.5	mg/dl	4.43	3.28 - 5.58
Calcium	o-Cresolphthalein	mmol/l	3.19	2.84 - 3.54	mg/dl	12.8	11.4 - 14.2
Chloride	ISE	mmol/l	116	106 - 126	mg/dl	411	374 - 448
Cholesterol total	CHOD-PAP	mmol/l	6.41	5.52 - 7.31	mg/dl	248	213 - 283
Copper	AAS	µmol/l	18.1	14.5 - 21.7	µg/dl	115	92 - 138
Creatine Kinase	NAC activated, IFCC *	µkat/l	8.40	6.72 - 10.1	U/l	504	403 - 605
Creatinine	Jaffé kinetic	µmol/l	449	350 - 548	mg/dl	5.08	3.96 - 6.20
gamma-Glutamyl Transferase (GGT)	γ-Glutamyl-4-nitroanilide *	µkat/l	2.25	1.76 - 2.75	U/l	135	105 - 165
Glucose	Hexokinase /G6P-DH	mmol/l	13.0	11.0 - 15.1	mg/dl	235	197 - 273
HDL-Cholesterol	Direct enzymatic test	mmol/l	2.50	2.00 - 3.00	mg/dl	96.7	77.4 - 116
Iron	Ferrozine	µmol/l	28.8	24.8 - 32.9	µg/dl	161	138 - 184
Lactate Dehydrogenase (LDH)	IFCC Lactate - Pyruvate *	µkat/l	5.43	4.46 - 6.41	U/l	326	267 - 385
LDL-Cholesterol	Direct enzymatic test	mmol/l	2.87	2.30 - 3.44	mg/dl	111	88.8 - 133
Lipase	Enzymatic colorimetric test *	µkat/l	1.25	1.00 - 1.50	U/l	74.8	59.8 - 89.8
Lithium	AAS	mmol/l	2.19	1.88 - 2.50	mval/l	2.19	1.9 - 2.5
Magnesium	Xylidyl blue	mmol/l	1.31	1.10 - 1.52	mg/dl	3.18	2.7 - 3.7
Pancreas Amylase	EPS *	µkat/l	3.95	3.16 - 4.74	U/l	237	190 - 284
Phosphorus	Molybdate UV	mmol/l	2.82	2.31 - 3.33	mg/dl	8.73	7.16 - 10.30
Potassium	ISE (indirect)	mmol/l	6.50	5.85 - 7.15	mval/l	6.50	5.85 - 7.15
Protein total	Biuret	g/l	69.0	61.4 - 76.6	g/dl	6.90	6.14 - 7.66
Sodium	ISE (indirect)	mmol/l	152	137 - 167	mval/l	152	137 - 167
Triglycerides	GPO-PAP	mmol/l	2.66	2.18 - 3.13	mg/dl	233	191 - 275
Urea	Urease	mmol/l	8.0	6.26 - 9.79	mg/dl	48.2	37.6 - 58.8
Uric Acid	Enzymatic colorimetric test	µmol/l	619	532 - 705	mg/dl	10.4	8.94 - 11.86
Zinc	AAS	µmol/l	11.5	9.20 - 13.8	µg/dl	75.2	60.2 - 90.2

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Target Values / Sollwerte / Valores Meta/ Valeurs Souhaitées

	Units Einheiten Unitades Unités	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge
Human Turbidimetry			
Apolipoprotein A1	mg/dl	138	110 - 166
Apolipoprotein B	mg/dl	95.8	76.6 - 115
IgA direct	mg/dl	194	147 - 241
IgG direct	mg/dl	1048	838 - 1258
IgM direct	mg/dl	81.6	58.8 - 104
Lipoprotein (a)	mg/dl	11.4	9.12 - 13.7

Roche Diagnostics Turbidimetry			
Apolipoprotein A1	mg/dl	143	114 - 172
Apolipoprotein B	mg/dl	82.0	65.6 - 98.4
Haptoglobin	mg/dl	128	98.6 - 157
IgA	mg/dl	200	152 - 248
IgG	mg/dl	1006	805 - 1207
IgM	mg/dl	87.0	62.6 - 111
Lipoprototein(a)	mg/dl	22.0	17.6 - 26.4

Beckman Coulter Turbidimetry			
Apolipoprotein A1	mg/dl	165	132 - 198
Apolipoprotein B	mg/dl	73.0	58.4 - 87.6
Haptoglobin	mg/dl	116	89.3 - 143
IgA	mg/dl	206	157 - 255
IgG	mg/dl	987	790 - 1184
IgM	mg/dl	75.0	54.0 - 96.0
Lipoprototein(a)	mg/dl	14.0	11.2 - 16.8

Protein Fractions			
Electrophoresis with cellulose foil Ponceau S dye			
Albumin	%	59.4	47.5 - 71.3
α1-Globulin	%	4.40	3.08 - 5.72
α2-Globulin	%	9.80	7.84 - 11.8
β-Globulin	%	11.7	9.36 - 14.0
γ-Globulin	%	14.8	10.1 - 19.5

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