

Target Values / Sollwerte / Valores Asignados/ Valeurs Cibles

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

Reagent name @ Method Reagenzbezeichnung @ Methode Nombre del reactivo @ Método Nom du réactif @ Méthode	SI Unit SI Einheit Unidad SI Unité SI	Mean Mittelwert Media Moyenne	Range Bereich Rango Plage de valeurs	Unit Einheit Unidad Unité	Mean Mittelwert Media Moyenne	Range Bereich Rango Plage de valeurs	
HUMAN reagent kits							
ACID PHOSPHATASE a-Naphthylphosphate, Hillmann mod., 37°C	HumaLyz photometer, HumaStar analyzer	µkat/l	0.09	0.07 - 0.10	U/l	5.12	4.12 - 6.12
ALBUMIN Iquicolor Bromcresol green	HumaLyz photometer	g/l	27.3	25.2 - 29.4	g/dl	2.73	2.52 - 2.94
	HumaStar analyzer	g/l	28.5	23.9 - 33.1	g/dl	2.85	2.39 - 3.31
ALKALINE PHOSPHATASE Iquicolor AMP buffer, 37°C, IFCC	HumaLyz photometer	µkat/l	1.78	1.52 - 2.05	U/l	107	90.9 - 123
	HumaStar analyzer	µkat/l	1.83	1.56 - 2.12	U/l	110	93.8 - 127
ALKALINE PHOSPHATASE opt. Iquicolor DEA buffer, 37°C, GSCC/DGKC	HumaLyz photometer w/o HL4000	µkat/l	2.28	2.03 - 2.52	U/l	137	122 - 151
	HumaLyz 4000	µkat/l	2.00	1.73 - 2.27	U/l	120	104 - 136
	HumaStar analyzer	µkat/l	2.28	1.90 - 2.68	U/l	137	114 - 161
alpha-AMYLASE Iquicolor CNPG3, 37°C, IFCC	HumaLyz photometer	µkat/l	1.78	1.53 - 2.02	U/l	107	92.0 - 121
	HumaStar analyzer	µkat/l	1.83	1.67 - 1.98	U/l	110	100 - 119
auto-BILIRUBIN-D Iquicolor DPD	HumaLyz photometer	µmol/l	14.4	9.58 - 19.0	mg/dl	0.84	0.56 - 1.11
	HumaStar analyzer	µmol/l	13.3	11.8 - 14.9	mg/dl	0.78	0.69 - 0.87
auto-BILIRUBIN-T Iquicolor DPD	HumaLyz photometer	µmol/l	21.5	15.6 - 27.4	mg/dl	1.26	0.91 - 1.60
	HumaStar analyzer w/o H5600	µmol/l	17.8	15.4 - 20.2	mg/dl	1.04	0.90 - 1.18
	HumaStar 600	µmol/l	15.2	12.5 - 17.8	mg/dl	0.89	0.73 - 1.04
BILIRUBIN Iquicolor DCA	HumaLyz photometer	µmol/l	14.5	12.1 - 16.9	mg/dl	0.85	0.71 - 0.99
BILIRUBIN DIRECT/TOTAL Iquicolor Determination of Bilirubin direct Jendrassik-Gróf	HumaLyz photometer w/o HL4000	µmol/l	10.6	9.06 - 12.1	mg/dl	0.62	0.53 - 0.71
	HumaLyz 4000	µmol/l	12.8	7.18 - 18.3	mg/dl	0.75	0.42 - 1.07
BILIRUBIN DIRECT/TOTAL Iquicolor Determination of Bilirubin total Jendrassik-Gróf	HumaLyz photometer w/o HL4000	µmol/l	18.3	15.9 - 20.7	mg/dl	1.07	0.93 - 1.21
	HumaLyz 4000	µmol/l	18.8	12.8 - 24.6	mg/dl	1.10	0.75 - 1.44
CALCIUM Iquicolor Ortho-cresolphthalein	HumaLyz photometer	mmol/l	2.24	2.07 - 2.40	mg/dl	8.94	8.29 - 9.59
	HumaStar analyzer	mmol/l	2.23	2.05 - 2.41	mg/dl	8.93	8.21 - 9.64
Chloride ISE direct	HumaStar 600, HumaLyte	mmol/l	98.4	96.6 - 100	mg/dl	349	342 - 355
CHLORIDE Iquicolor TPTZ	HumaLyz Primus	mmol/l	102	88.4 - 115	mg/dl	362	313 - 408
	HumaLyz 4000	mmol/l	115	95.7 - 133	mg/dl	408	339 - 471
	HumaStar analyzer	mmol/l	99.0	87.8 - 111	mg/dl	351	311 - 393
CHOLESTEROL Iquicolor CHOD PAP	HumaLyz photometer	mmol/l	3.93	3.57 - 4.27	mg/dl	152	138 - 165
	HumaStar analyzer	mmol/l	4.01	3.52 - 4.47	mg/dl	155	136 - 173
CK NAC activated Enzymatic, 37°C	HumaLyz photometer	µkat/l	2.35	1.43 - 3.28	U/l	141	85.5 - 197
CK NAC IquiuV Enzymatic, 37°C, IFCC	HumaLyz photometer	µkat/l	2.48	2.03 - 2.93	U/l	149	122 - 176
	HumaStar analyzer	µkat/l	2.50	2.08 - 2.90	U/l	150	125 - 174
auto-CREATININE Iquicolor Jaffé	HumaLyz photometer	µmol/l	69.0	61.0 - 76.9	mg/dl	0.78	0.69 - 0.87
	HumaStar analyzer	µmol/l	84.9	74.3 - 95.5	mg/dl	0.96	0.84 - 1.08
CREATININE Iquicolor Jaffé	HumaLyz photometer	µmol/l	79.6	69.8 - 89.3	mg/dl	0.90	0.79 - 1.01
CREATININE (enzym) Iquicolor Enzymatic	HumaLyz photometer	µmol/l	76.9	62.8 - 91.1	mg/dl	0.87	0.71 - 1.03
	HumaStar analyzer	µmol/l	70.7	54.8 - 86.6	mg/dl	0.80	0.62 - 0.98
gamma-GT Iquicolor Gamma-Glutamyl-3carboxy-4-nitroanilide, 37°C, IFCC	HumaLyz photometer	µkat/l	1.02	0.84 - 1.20	U/l	61.1	50.3 - 71.9
	HumaStar analyzer	µkat/l	1.11	0.95 - 1.28	U/l	66.8	56.7 - 76.9
GLUCOSE Iquicolor GOD	HumaLyz photometer	mmol/l	5.22	3.79 - 6.66	mg/dl	94.0	68.2 - 120
	HumaStar analyzer	mmol/l	5.66	5.22 - 6.05	mg/dl	102	94.0 - 109
GLUCOSE IquiuV^{mono} Hexokinase	HumaLyz photometer	mmol/l	5.88	4.38 - 7.38	mg/dl	106	79.0 - 133
	HumaStar analyzer	mmol/l	5.34	4.70 - 5.99	mg/dl	96.3	84.7 - 108
GOT (ASAT) IFCC mod. IquiuV Enzymatic, 37°C, IFCC without P5P	HumaLyz photometer	µkat/l	0.47	0.40 - 0.54	U/l	28.0	23.9 - 32.1
	HumaStar analyzer	µkat/l	0.43	0.37 - 0.49	U/l	25.8	22.2 - 29.3
GPT (ALAT) IFCC mod. IquiuV Enzymatic, 37°C, IFCC without P5P	HumaLyz photometer	µkat/l	0.51	0.46 - 0.57	U/l	30.6	27.3 - 33.9
	HumaStar analyzer	µkat/l	0.52	0.41 - 0.62	U/l	30.9	24.7 - 37.2
HDL CHOLESTEROL Precipitation method	HumaLyz photometer	mmol/l	2.24	1.93 - 2.54	mg/dl	86.6	74.8 - 98.4
IRON Iquicolor CAB	HumaLyz photometer	µmol/l	20.4	14.4 - 26.5	µg/dl	114	80.3 - 148
	HumaStar analyzer	µmol/l	24.7	18.4 - 31.1	µg/dl	138	103 - 174

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IRON TPTZ Iquicolor TPTZ	HumaLyzer photometer	µmol/l	23.3	20.4 - 26.1	µg/dl	130	114 - 146
	HumaStar analyzer	µmol/l	23.7	21.0 - 26.3	µg/dl	132	117 - 147
LDH SCE mod. IquiuV Substrate Pyruvate, 37°C	HumaLyzer photometer	µkat/l	6.47	4.50 - 8.44	U/l	388	270 - 506
	HumaStar analyzer	µkat/l	6.18	5.60 - 6.77	U/l	371	336 - 406
MAGNESIUM Iquicolor Xylidyl blue	HumaLyzer photometer	mmol/l	0.82	0.70 - 0.94	mg/dl	1.99	1.69 - 2.29
	HumaStar analyzer	mmol/l	0.77	0.67 - 0.87	mg/dl	1.87	1.63 - 2.11
PANCREAS-AMYLASE Iquicolor EPS-G7, 37°C	HumaLyzer photometer	µkat/l	1.27	1.09 - 1.45	U/l	76.0	65.3 - 86.7
	HumaStar analyzer	µkat/l	1.32	1.15 - 1.50	U/l	79.4	69.0 - 89.8
PHOSPHORUS Iquirapid Molybdate (UV)	HumaLyzer photometer w/o HL4000	mmol/l	1.59	1.43 - 1.74	mg/dl	4.91	4.43 - 5.38
	HumaLyzer 4000	mmol/l	1.65	1.28 - 2.03	mg/dl	5.12	3.95 - 6.28
	HumaStar analyzer	mmol/l	1.69	1.50 - 1.88	mg/dl	5.23	4.65 - 5.81
Potassium ISE direct	HumaStar 600, HumaLyte	mmol/l	4.79	4.32 - 5.26	mval/l	4.79	4.32 - 5.26
POTASSIUM Iquirapid Precipitation method	HumaLyzer photometer	mmol/l	4.30	3.16 - 5.44	mval/l	4.30	3.16 - 5.44
POTASSIUM IquiuV Enzymatic	HumaLyzer photometer	mmol/l	4.91	3.84 - 5.97	mval/l	4.91	3.84 - 5.97
	HumaStar analyzer	mmol/l	5.05	4.33 - 5.77	mval/l	5.05	4.33 - 5.77
Sodium ISE direct	HumaStar 600	mmol/l	112	110 - 114	mval/l	112	110 - 114
	HumaLyte	mmol/l	121	114 - 127	mval/l	121	114 - 127
SODIUM Iquicolor Enzymatic	HumaLyzer photometer	mmol/l	98.0	87.0 - 109	mval/l	98.0	87.0 - 109
	HumaStar analyzer	mmol/l	109	99.9 - 119	mval/l	109	99.9 - 119
SODIUM RAPID Precipitation method	HumaLyzer photometer	mmol/l	95.7	78.3 - 113	mval/l	95.7	78.3 - 113
TIBC Fe saturation Fe determination using IRON Iquicolor	HumaStar analyzer	µmol/l	68.4	60.9 - 75.9	µg/dl	382	340 - 424
TIBC Fe saturation Fe determination using IRON TPTZ Iquicolor	HumaStar analyzer	µmol/l	77.3	63.2 - 91.6	µg/dl	432	353 - 512
TOTAL PROTEIN Iquicolor Biuret	HumaLyzer photometer	g/l	61.7	57.6 - 65.8	g/dl	6.17	5.76 - 6.58
	HumaStar analyzer	g/l	62.3	56.9 - 67.7	g/dl	6.23	5.69 - 6.77
TRIGLYCERIDES Iquicolor ^{mono} GPO POD	HumaLyzer photometer	mmol/l	1.01	0.88 - 1.13	mg/dl	88.2	77.6 - 98.7
	HumaStar analyzer	mmol/l	1.07	0.90 - 1.24	mg/dl	94.0	78.7 - 109
UREA Iquicolor Berthelot mod.	HumaLyzer photometer	mmol/l	4.86	3.95 - 5.78	mg/dl	29.2	23.7 - 34.7
UREA IquiuV Urease	HumaLyzer photometer	mmol/l	4.76	3.95 - 5.59	mg/dl	28.6	23.7 - 33.6
	HumaStar analyzer	mmol/l	4.71	3.86 - 5.54	mg/dl	28.3	23.2 - 33.3
URIC ACID Iquicolor ^{plus} Uricase with ascorbate oxidase	HumaLyzer photometer w/o HL4000	µmol/l	338	303 - 372	mg/dl	5.68	5.10 - 6.26
	HumaLyzer 4000	µmol/l	285	229 - 341	mg/dl	4.79	3.85 - 5.73
	HumaStar analyzer	µmol/l	293	261 - 325	mg/dl	4.92	4.38 - 5.46
URIC ACID Iquicolor Uricase	HumaLyzer photometer	µmol/l	334	278 - 389	mg/dl	5.61	4.68 - 6.54
	HumaStar analyzer	µmol/l	333	239 - 427	mg/dl	5.60	4.01 - 7.18

CS-HN

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