

Target Values / Sollwerte / Valores Asignados/ Valeurs Cibles

valid for / gültig für / valido para / valable pour:

Link for latest version of target value sheet:

Humalyzer photometer

<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	µkat/l	in preparation	- - -	U/l	in preparation	- - -
ALBUMIN liqicolor Bromcresol green	g/l	28.7	23.3 - 34.1	g/dl	2.87	2.33 - 3.41
ALKALINE PHOSPHATASE liqicolor AMP buffer, 37°C, IFCC	µkat/l	1.83	1.59 - 2.08	U/l	110	95.2 - 125
ALKALINE PHOSPHATASE opt. liqicolor DEA buffer, 37°C, GSCC/DGKC Humalyzer 4000	µkat/l	2.52	2.18 - 2.85	U/l	151	131 - 171
ALKALINE PHOSPHATASE opt. liqicolor DEA buffer, 37°C, GSCC/DGKC Humalyzer photometer w/o Humalyzer 4000	µkat/l	2.87	2.55 - 3.17	U/l	172	153 - 190
alpha-AMYLASE liqicolor CNPG3, 37°C, IFCC	µkat/l	1.56	1.26 - 1.85	U/l	93.5	75.7 - 111
APOLIPOPROTEIN A1 Immunoturbidimetry	g/l	0.84	0.66 - 1.01	mg/dl	83.9	66.3 - 101
APOLIPOPROTEIN B Immunoturbidimetry	g/l	0.51	0.39 - 0.63	mg/dl	50.5	38.5 - 62.5
auto-BILIRUBIN-D liqicolor DPD	µmol/l	12.7	11.5 - 13.9	mg/dl	0.74	0.67 - 0.81
auto-BILIRUBIN-T liqicolor DPD	µmol/l	16.1	10.1 - 22.1	mg/dl	0.94	0.59 - 1.29
BILIRUBIN liqicolor DCA	µmol/l	15.7	13.0 - 18.5	mg/dl	0.92	0.76 - 1.08
BILIRUBIN DIRECT/TOTAL liqicolor Determination of Bilirubin direct Jendrassik-Gróf	µmol/l	12.3	10.1 - 14.5	mg/dl	0.72	0.59 - 0.85
BILIRUBIN DIRECT/TOTAL liqicolor Determination of Bilirubin total Jendrassik-Gróf	µmol/l	19.0	15.9 - 22.1	mg/dl	1.11	0.93 - 1.29
CALCIUM liqicolor Ortho-cresolphthalein	mmol/l	2.05	1.93 - 2.16	mg/dl	8.18	7.71 - 8.65
CHLORIDE liqicolor TPTZ Humalyzer Primus	mmol/l	98.2	88.7 - 108	mg/dl	348	314 - 382
CHLORIDE liqicolor TPTZ Humalyzer 4000	mmol/l	115	104 - 126	mg/dl	408	369 - 447
CHOLESTEROL liqicolor CHOD PAP	mmol/l	4.16	3.65 - 4.68	mg/dl	161	141 - 181
CHOLINESTERASE liqicolor Butyrylthiocholine, 37°C, GSCC/DGKC	µkat/l	65.0	61.3 - 68.7	U/l	3900	3678 - 4122
CK NAC activated Enzymatic, 37°C	µkat/l	1.90	1.32 - 2.48	U/l	114	79.2 - 149
CK NAC liquiUV Enzymatic, 37°C, IFCC	µkat/l	1.88	1.46 - 2.32	U/l	113	87.4 - 139
auto-CREATININE liqicolor Jaffé	µmol/l	88.4	78.7 - 98.1	mg/dl	1.00	0.89 - 1.11
CREATININE liqicolor Jaffé	µmol/l	97.2	87.5 - 107	mg/dl	1.10	0.99 - 1.21
CREATININE (enzym) liqicolor Enzymatic	µmol/l	95.5	74.3 - 117	mg/dl	1.08	0.84 - 1.32
gamma-GT liqicolor Gamma-Glutamyl-3carboxy-4-nitroanilide, 37°C, IFCC	µkat/l	0.54	0.45 - 0.62	U/l	32.1	26.9 - 37.3
GLUCOSE liqicolor GOD	mmol/l	5.18	4.65 - 5.72	mg/dl	93.4	83.8 - 103
GLUCOSE liquiUV^{mono} Hexokinase	mmol/l	5.33	4.91 - 5.77	mg/dl	96.0	88.4 - 104
GOT (ASAT) IFCC mod. liquiUV Enzymatic, 37°C, IFCC without P5P	µkat/l	0.72	0.60 - 0.84	U/l	43.2	36.0 - 50.3
GPT (ALAT) IFCC mod. liquiUV Enzymatic, 37°C, IFCC without P5P	µkat/l	0.62	0.54 - 0.69	U/l	36.9	32.4 - 41.4
HDL CHOLESTEROL liqicolor Homogenous enzymatic assay	mmol/l	not available	- - -	mg/dl	not available	- - -
HDL CHOLESTEROL Precipitation method	mmol/l	1.90	1.71 - 2.08	mg/dl	73.3	66.0 - 80.5
IRON liqicolor CAB	µmol/l	16.1	12.1 - 20.0	µg/dl	89.8	67.8 - 112

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IRON TPTZ Iquicolor TPTZ	µmol/l	17.7	12.5 - 22.9	µg/dl	99.0	70.1 - 128
IMMUNOGLOBULINS direct IgA Immunoturbidimetry	g/l	1.52	1.28 - 1.76	mg/dl	152	128 - 176
IMMUNOGLOBULINS direct IgG Immunoturbidimetry	g/l	6.27	5.50 - 7.04	mg/dl	627	550 - 704
IMMUNOGLOBULINS direct IgM Immunoturbidimetry Humalyzer 4000	g/l	0.44	0.38 - 0.50	mg/dl	44.0	37.9 - 50.1
IMMUNOGLOBULINS direct IgM Immunoturbidimetry Humalyzer photometer w/o Humalyzer 4000	g/l	0.54	0.39 - 0.69	mg/dl	54.2	39.4 - 69.0
LDH SCE mod. IquiuV Substrate Pyruvate, 37°C, SCE Humalyzer 4000	µkat/l	5.77	4.98 - 6.55	U/l	346	299 - 393
LDH SCE mod. IquiuV Substrate Pyruvate, 37°C, SCE Humalyzer photometer w/o Humalyzer 4000	µkat/l	6.83	5.73 - 7.93	U/l	410	344 - 476
LDL CHOLESTEROL Iquicolor Homogenous enzymatic assay	mmol/l	not available	- - -	mg/dl	not available	- - -
LIPASE Iquicolor Substrate Methylresorufin, 37°C	µkat/l	0.70	0.51 - 0.89	U/l	41.7	30.3 - 53.1
LIPOPROTEIN (a) Immunoturbidimetry	g/l	0.40	0.21 - 0.60	mg/dl	40.0	20.5 - 59.6
MAGNESIUM Iquicolor Xylidyl blue	mmol/l	1.00	0.86 - 1.12	mg/dl	2.42	2.10 - 2.73
PANCREAS-AMYLASE Iquicolor EPS-G7, 37°C	µkat/l	not available	- - -	U/l	not available	- - -
PHOSPHORUS Iquirapid Molybdate (UV)	mmol/l	1.08	0.90 - 1.26	mg/dl	3.35	2.79 - 3.91
POTASSIUM Iquirapid Precipitation method	mmol/l	3.72	2.85 - 4.58	mval/l	3.72	2.85 - 4.58
POTASSIUM IquiuV Enzymatic	mmol/l	4.53	3.67 - 5.39	mval/l	4.53	3.67 - 5.39
SODIUM Iquicolor Enzymatic	mmol/l	98.9	89.5 - 108	mval/l	98.9	89.5 - 108
SODIUM RAPID Precipitation method	mmol/l	93.3	69.8 - 117	mval/l	93.3	69.8 - 117
TIBC Fe saturation Fe determination using IRON Iquicolor	µmol/l	50.1	33.7 - 66.6	µg/dl	280	188 - 372
TOTAL PROTEIN Iquicolor Biuret	g/l	54.0	46.6 - 61.4	g/dl	5.40	4.66 - 6.14
TRIGLYCERIDES Iquicolor^{mono} GPO POD	mmol/l	1.43	1.21 - 1.64	mg/dl	125	106 - 144
UREA Iquicolor Berthelot mod.	mmol/l	5.54	3.96 - 7.13	mg/dl	33.3	23.8 - 42.8
UREA IquiuV Urease	mmol/l	5.58	4.75 - 6.39	mg/dl	33.5	28.5 - 38.4
URIC ACID Iquicolor^{plus} Uricase with ascorbate oxidase Humalyzer 4000	µmol/l	271	205 - 337	mg/dl	4.55	3.44 - 5.66
URIC ACID Iquicolor^{plus} Uricase with ascorbate oxidase Humalyzer photometer w/o Humalyzer 4000	µmol/l	337	266 - 407	mg/dl	5.66	4.47 - 6.84
URIC ACID Iquicolor Uricase	µmol/l	280	197 - 363	mg/dl	4.71	3.32 - 6.10