

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 @ Methode 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	up to 0,059	- - -	U/l	up to 3,52	- - -
ALBUMIN liquicolor Bromcresol green	g/l	28.7	23.3 - 34.1	g/dl	2.87	2.33 - 3.41
ALKALINE PHOSPHATASE liquicolor AMP buffer, 37°C, IFCC	µkat/l	1.83	1.59 - 2.08	U/l	110	95.2 - 125
ALKALINE PHOSPHATASE opt. liquicolor DEA buffer, 37°C, GSCC/DGKC Humalyzer 4000 only	µkat/l	2.52	2.18 - 2.85	U/l	151	131 - 171
ALKALINE PHOSPHATASE opt. liquicolor DEA buffer, 37°C, GSCC/DGKC other Humalyzer	µkat/l	2.87	2.55 - 3.17	U/l	172	153 - 190
alpha-AMYLASE liquicolor CNP3, 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 liquicolor DPD	µmol/l	12.7	11.5 - 13.9	mg/dl	0.74	0.67 - 0.81
auto-BILIRUBIN-T liquicolor DPD	µmol/l	16.1	10.1 - 22.1	mg/dl	0.94	0.59 - 1.29
BILIRUBIN liquicolor DCA	µmol/l	15.7	13.0 - 18.5	mg/dl	0.92	0.76 - 1.08
BILIRUBIN DIRECT/TOTAL liquicolor 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 liquicolor Determination of Bilirubin total Jendrassik-Gróf	µmol/l	19.0	15.9 - 22.1	mg/dl	1.11	0.93 - 1.29
CALCIUM liquicolor Ortho-cresolphthalein	mmol/l	2.05	1.93 - 2.16	mg/dl	8.18	7.71 - 8.65
CHLORIDE liquicolor TPTZ Humalyzer Primus only	mmol/l	98.2	88.7 - 108	mg/dl	348	314 - 383
CHLORIDE liquicolor TPTZ Humalyzer 4000 only	mmol/l	115	104 - 126	mg/dl	408	369 - 447
CHOLESTEROL liquicolor CHOD PAP	mmol/l	4.16	3.65 - 4.68	mg/dl	161	141 - 181
CHOLINESTERASE liquicolor 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	1.80	1.32 - 2.27	U/l	108	79.0 - 136
CK NAC liquiUV Enzymatic, 37°C, IFCC	µkat/l	1.88	1.46 - 2.32	U/l	113	87.4 - 139
auto-CREATININE liquicolor Jaffé	µmol/l	90.2	76.0 - 104	mg/dl	1.02	0.86 - 1.18
CREATININE liquicolor Jaffé	µmol/l	97.2	87.5 - 107	mg/dl	1.10	0.99 - 1.21
CREATININE (enzym) liquicolor Enzymatic	µmol/l	95.5	74.3 - 117	mg/dl	1.08	0.84 - 1.32
gamma-GT liquicolor 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 liquicolor GOD	mmol/l	4.92	3.52 - 6.33	mg/dl	88.7	63.4 - 114
GLUCOSE liquiUV^{mono} Hexokinase	mmol/l	4.93	4.12 - 5.77	mg/dl	88.9	74.2 - 104
GOT (ASAT) IFCC mod. liquiUV Enzymatic, 37°C, IFCC without PSP	µkat/l	0.59	0.49 - 0.69	U/l	35.4	29.2 - 41.6
GPT (ALAT) IFCC mod. liquiUV Enzymatic, 37°C, IFCC without PSP	µkat/l	0.62	0.54 - 0.69	U/l	36.9	32.4 - 41.4
HDL CHOLESTEROL liquicolor Homogenous enzymatic assay	mmol/l	not available	- - -	mg/dl	not available	- - -
HDL CHOLESTEROL Precipitation method	mmol/l	2.01	1.81 - 2.21	mg/dl	77.6	69.8 - 85.4
IRON liquicolor CAB	µmol/l	16.1	12.1 - 20.0	µg/dl	89.8	67.8 - 112
IRON TPTZ liquicolor TPTZ	µmol/l	17.7	12.5 - 22.9	µg/dl	99.0	70.1 - 128

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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 only	g/l	0.44	0.38 - 0.50	mg/dl	44.0	37.9 - 50.1
IMMUNOGLOBULINS direct IgM Immunoturbidimetry other Humalyzer	g/l	0.54	0.39 - 0.69	mg/dl	54.2	39.4 - 69.0
LDH SCE mod. liquiUV Substrate Pyruvate, 37°C, SCE Humalyzer 4000 only	µkat/l	5.77	4.98 - 6.55	U/l	346	299 - 393
LDH SCE mod. liquiUV Substrate Pyruvate, 37°C, SCE other Humalyzer	µkat/l	6.83	5.73 - 7.93	U/l	410	344 - 476
LDL CHOLESTEROL liquicolor Homogenous enzymatic assay	mmol/l	not available	- - -	mg/dl	not available	- - -
LIPASE liquicolor 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 liquicolor Xylidyl blue	mmol/l	1.00	0.86 - 1.12	mg/dl	2.42	2.10 - 2.73
PANCREAS-AMYLASE liquicolor EPS-G7, 37°C	µkat/l	not available	- - -	U/l	not available	- - -
PHOSPHORUS liquirapid Molybdate (UV)	mmol/l	1.08	0.90 - 1.26	mg/dl	3.35	2.79 - 3.91
POTASSIUM liquirapid Precipitation method	mmol/l	3.72	2.85 - 4.58	mval/l	3.72	2.85 - 4.58
POTASSIUM liquiUV Enzymatic	mmol/l	4.53	3.67 - 5.39	mval/l	4.53	3.67 - 5.39
SODIUM liquicolor 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 liquicolor	µmol/l	50.1	33.7 - 66.6	µg/dl	280	188 - 372
TOTAL PROTEIN liquicolor Biuret	g/l	54.0	46.6 - 61.4	g/dl	5.40	4.66 - 6.14
TRIGLYCERIDES liquicolor^{mono} GPO POD	mmol/l	1.43	1.21 - 1.64	mg/dl	125	106 - 144
UREA liquicolor Berthelot mod.	mmol/l	5.54	3.96 - 7.13	mg/dl	33.3	23.8 - 42.8
UREA liquiUV Urease	mmol/l	5.58	4.75 - 6.39	mg/dl	33.5	28.5 - 38.4
URIC ACID liquicolor^{plus} Uricase with ascorbate oxidase Humalyzer 4000 only	µmol/l	271	205 - 337	mg/dl	4.55	3.44 - 5.66
URIC ACID liquicolor^{plus} Uricase with ascorbate oxidase other Humalyzer	µmol/l	337	266 - 407	mg/dl	5.66	4.47 - 6.84
URIC ACID liquicolor Uricase	µmol/l	280	197 - 363	mg/dl	4.71	3.32 - 6.10

* Stability after Reconstitution and Storage at 2-8°C for 7 days.