

Link for latest version of target value sheet:

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

Target Values / Sollwerte / Valores Asignados/ Valeurs Cibles

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

HumaStar and Humalyte

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	0.054	0.024 - 0.083	U/l	3.22	1.46 - 4.98
ALBUMIN Iquicolor Bromcresol green	g/l	32.4	29.7 - 35.1	g/dl	3.24	2.97 - 3.51
ALKALINE PHOSPHATASE Iquicolor AMP buffer, 37°C, IFCC	µkat/l	1.67	1.28 - 2.07	U/l	100	76.8 - 124
ALKALINE PHOSPHATASE opt. Iquicolor DEA buffer, 37°C, GSCC/DGKC	µkat/l	2.65	1.97 - 3.40	U/l	159	118 - 204
alpha-AMYLASE Iquicolor CNP3, 37°C, IFCC	µkat/l	1.43	1.22 - 1.65	U/l	86.0	73.3 - 98.8
APOLIPOPROTEIN A1 Immunoturbidimetry	g/l	1.05	0.814 - 1.28	mg/dl	105	81.4 - 128
APOLIPOPROTEIN B Immunoturbidimetry	g/l	0.738	0.626 - 0.849	mg/dl	73.8	62.6 - 84.9
auto-BILIRUBIN-D Iquicolor DPD	µmol/l	12.5	8.72 - 16.2	mg/dl	0.73	0.51 - 0.95
auto-BILIRUBIN-T Iquicolor DPD	µmol/l	17.4	12.8 - 22.1	mg/dl	1.02	0.75 - 1.29
CALCIUM Iquicolor Ortho-cresolphthalein	mmol/l	1.87	1.72 - 2.02	mg/dl	7.48	6.88 - 8.08
Chloride ISE direct	mmol/l	98.3	91.6 - 105	mg/dl	348	325 - 372
CHLORIDE Iquicolor TPTZ	mmol/l	96.4	83.2 - 110	mg/dl	342	295 - 390
CHOLESTEROL Iquicolor CHOD PAP	mmol/l	3.98	2.95 - 5.02	mg/dl	154	114 - 194
CHOLINESTERASE Iquicolor Butyrylthiocholine, 37°C, GSCC/DGKC	µkat/l	86.6	79.4 - 93.8	U/l	5195	4761 - 5629
CK NAC IquiuV Enzymatic, 37°C, IFCC	µkat/l	2.43	1.45 - 3.43	U/l	146	86.7 - 206
auto-CREATININE Iquicolor Jaffé, uncompensated up to LOT 24500	µmol/l	108	86.6 - 129	mg/dl	1.22	0.98 - 1.46
auto-CREATININE Iquicolor Jaffé, compensated from LOT 24501	µmol/l	85.7	54.8 - 118	mg/dl	0.97	0.62 - 1.33
CREATININE (enzym) Iquicolor Enzymatic	µmol/l	86.6	75.1 - 98.1	mg/dl	0.98	0.85 - 1.11
gamma-GT Iquicolor Gamma-Glutamyl-3-carboxy-4-nitroanilide, 37°C, IFCC	µkat/l	0.522	0.348 - 0.693	U/l	31.3	20.9 - 41.6
GLUCOSE Iquicolor GOD	mmol/l	5.00	4.26 - 5.77	mg/dl	90.1	76.8 - 104
GLUCOSE IquiuV^{mono} Hexokinase	mmol/l	4.81	4.28 - 5.34	mg/dl	86.7	77.2 - 96.3
GOT (ASAT) IFCC mod. IquiuV Enzymatic, 37°C, IFCC without P5P	µkat/l	0.512	0.400 - 0.622	U/l	30.7	24.0 - 37.3
GPT (ALAT) IFCC mod. IquiuV Enzymatic, 37°C, IFCC without P5P	µkat/l	0.600	0.450 - 0.748	U/l	36.0	27.0 - 44.9
HDL CHOLESTEROL Iquicolor Homogenous enzymatic assay	mmol/l	0.903	0.587 - 1.22	mg/dl	34.9	22.7 - 47.2
IRON Iquicolor CAB for HumaStar 100	µmol/l	18.1	15.3 - 20.8	µg/dl	101	85.4 - 116
IRON Iquicolor CAB for HumaStar 200	µmol/l	20.6	16.0 - 25.2	µg/dl	115	89.6 - 141
IRON TPTZ Iquicolor TPTZ	µmol/l	17.5	15.2 - 19.9	µg/dl	98.0	85.0 - 111
IMMUNOGLOBULINS direct IgA Immunoturbidimetry	g/l	1.72	1.45 - 1.99	mg/dl	172	145 - 199
IMMUNOGLOBULINS direct IgG Immunoturbidimetry	g/l	7.40	6.34 - 8.46	mg/dl	740	634 - 846

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
IMMUNOGLOBULINS direct IgM Immunoturbidimetry HumaStar w/o H5600	g/l	0.732	0.613 - 0.851	mg/dl	73.2	61.3 - 85.1
IMMUNOGLOBULINS direct IgM Immunoturbidimetry for HumaStar 600	g/l	0.597	0.551 - 0.643	mg/dl	59.7	55.1 - 64.3
LDH SCE mod. liquiUV Substrate Pyruvate, 37°C, SCE	µkat/l	6.12	4.43 - 7.92	U/l	367	266 - 475
LDL CHOLESTEROL liquicolor Homogenous enzymatic assay	mmol/l	1.53	0.634 - 2.42	mg/dl	59.0	24.5 - 93.5
LIPASE liquicolor Substrate Methylresorufin, 37°C	µkat/l	0.672	0.522 - 0.820	U/l	40.3	31.3 - 49.2
LIPOPROTEIN (a) Immunoturbidimetry	g/l	0.096	0.068 - 0.124	mg/dl	9.61	6.81 - 12.4
MAGNESIUM liquicolor Xylidyl blue	mmol/l	0.864	0.687 - 1.04	mg/dl	2.10	1.67 - 2.52
PANCREAS-AMYLASE liquicolor EPS-G7, 37°C	µkat/l	1.08	0.857 - 1.31	U/l	64.5	51.4 - 78.7
PHOSPHORUS liquirapid Molybdate (UV)	mmol/l	1.22	0.940 - 1.53	mg/dl	3.79	2.91 - 4.75
Potassium ISE direct	mmol/l	4.69	4.04 - 5.34	mval/l	4.69	4.04 - 5.34
POTASSIUM liquiUV Enzymatic	mmol/l	4.17	3.63 - 4.71	mval/l	4.17	3.63 - 4.71
Sodium ISE direct for HumaStar	mmol/l	112	103 - 120	mval/l	112	103 - 120
Sodium ISE direct for Humalyte	mmol/l	121	112 - 130	mval/l	121	112 - 130
SODIUM liquicolor Enzymatic	mmol/l	106	88.3 - 124	mval/l	106	88.3 - 124
TIBC Fe saturation Fe determination using IRON liquicolor	µmol/l	56.4	49.6 - 63.4	µg/dl	315	277 - 354
TIBC Fe saturation Fe determination using IRON TPTZ liquicolor	µmol/l	52.3	42.6 - 61.8	µg/dl	292	238 - 345
TOTAL PROTEIN liquicolor Biuret	g/l	63.7	59.3 - 68.1	g/dl	6.37	5.93 - 6.81
TRIGLYCERIDES liquicolor^{mono} GPO POD	mmol/l	1.47	1.29 - 1.65	mg/dl	129	113 - 145
UREA liquiUV Urease	mmol/l	4.78	3.80 - 5.78	mg/dl	28.7	22.8 - 34.7
URIC ACID liquicolor^{plus} Uricase with ascorbate oxidase	µmol/l	292	263 - 321	mg/dl	4.91	4.42 - 5.40
URIC ACID liquicolor Uricase	µmol/l	313	256 - 371	mg/dl	5.27	4.30 - 6.23

CS-SE

Rev. 009 | valid of 15.11.2022

INF 1395102b - Version 5/02 - 2025