

Target Values / Sollwerte / Valores Asignados/ Valeurs Cibles

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

Link for latest version of target value sheet:

HumaStar and HumaLyte

<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	0.038	0.00 - 0.076	U/l	2.28	0.00 - 4.55
ALBUMIN Iquicolor Bromocresol green	g/l	30.8	28.6 - 33.0	g/dl	3.08	2.86 - 3.30
ALKALINE PHOSPHATASE Iquicolor AMP buffer, 37°C, IFCC	µkat/l	1.64	1.26 - 2.02	U/l	98.4	75.7 - 121
ALKALINE PHOSPHATASE opt. Iquicolor DEA buffer, 37°C, GSCC/DGKC	µkat/l	2.22	1.95 - 2.48	U/l	133	117 - 149
alpha-AMYLASE Iquicolor CNP3, 37°C, IFCC	µkat/l	1.52	1.31 - 1.73	U/l	91.0	78.3 - 104
APOLIPOPROTEIN A1 Immunoturbidimetry HumaStar 100	g/l	0.810	0.629 - 0.991	mg/dl	81.0	62.9 - 99.1
APOLIPOPROTEIN A1 Immunoturbidimetry HumaStar 200	g/l	0.709	0.607 - 0.810	mg/dl	70.9	60.7 - 81.0
APOLIPOPROTEIN A1 Immunoturbidimetry HumaStar 600	g/l	0.599	0.506 - 0.691	mg/dl	59.9	50.6 - 69.1
APOLIPOPROTEIN B Immunoturbidimetry HumaStar 100 / 200	g/l	0.502	0.441 - 0.563	mg/dl	50.2	44.1 - 56.3
APOLIPOPROTEIN B Immunoturbidimetry HumaStar 600	g/l	0.407	0.324 - 0.490	mg/dl	40.7	32.4 - 49.0
auto-BILIRUBIN-D Iquicolor DPD	µmol/l	14.5	10.8 - 18.3	mg/dl	0.85	0.63 - 1.07
auto-BILIRUBIN-T Iquicolor DPD	µmol/l	16.4	12.5 - 20.4	mg/dl	0.96	0.73 - 1.19
CALCIUM Iquicolor Ortho-cresolphthalein	mmol/l	2.10	1.95 - 2.26	mg/dl	8.40	7.78 - 9.02
Chloride ISE direct	mmol/l	95.1	89.6 - 101	mg/dl	337	318 - 358
CHLORIDE Iquicolor TPTZ	mmol/l	95.0	87.5 - 102	mg/dl	337	310 - 362
CHOLESTEROL Iquicolor CHOD PAP	mmol/l	4.14	3.54 - 4.73	mg/dl	160	137 - 183
CHOLINESTERASE Iquicolor Butyrylthiocholine, 37°C, GSCC/DGKC	µkat/l	64.7	59.4 - 70.1	U/l	3884	3563 - 4204
CK NAC IquIUV Enzymatic, 37°C, IFCC	µkat/l	2.35	1.51 - 3.22	U/l	141	90.4 - 193
auto-CREATININE Iquicolor Jaffé	µmol/l	104	90.2 - 118	mg/dl	1.18	1.02 - 1.34
CREATININE (enzym) Iquicolor Enzymatic	µmol/l	82.2	67.2 - 97.2	mg/dl	0.93	0.76 - 1.10
gamma-GT Iquicolor Gamma-Glutamyl-3-carboxy-4-nitroanilide, 37°C, IFCC	µkat/l	0.572	0.477 - 0.665	U/l	34.3	28.6 - 39.9
GLUCOSE Iquicolor GOD	mmol/l	5.03	4.41 - 5.66	mg/dl	90.6	79.4 - 102
GLUCOSE IquIUV^{mono} Hexokinase	mmol/l	5.07	4.55 - 5.59	mg/dl	91.4	82.0 - 101
GOT (AST) IFCC mod. IquIUV Enzymatic, 37°C, IFCC without P5P	µkat/l	0.517	0.435 - 0.598	U/l	31.0	26.1 - 35.9
GPT (ALT) IFCC mod. IquIUV Enzymatic, 37°C, IFCC without P5P	µkat/l	0.598	0.487 - 0.708	U/l	35.9	29.2 - 42.5
HDL CHOLESTEROL Iquicolor Homogenous enzymatic assay	mmol/l	not available	- - -	mg/dl	not available	- - -
IRON Iquicolor CAB HumaStar 100	µmol/l	19.1	14.5 - 23.7	µg/dl	107	81.1 - 132
IRON Iquicolor CAB HumaStar 200	µmol/l	23.4	20.5 - 26.2	µg/dl	131	115 - 147
IRON TPTZ Iquicolor TPTZ HumaStar 100 / 200	µmol/l	13.3	10.0 - 16.6	µg/dl	74.4	55.9 - 93.0
IRON TPTZ Iquicolor TPTZ HumaStar 300SR / 600	µmol/l	16.6	15.4 - 17.8	µg/dl	92.8	86.0 - 99.5
IMMUNOGLOBULINS direct IgA Immunoturbidimetry	g/l	1.56	1.24 - 1.87	mg/dl	156	124 - 187

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IMMUNOGLOBULINS direct IgG Immunoturbidimetry	g/l	6.66	5.71 - 7.61	mg/dl	666	571 - 761
IMMUNOGLOBULINS direct IgM Immunoturbidimetry	g/l	0.529	0.414 - 0.644	mg/dl	52.9	41.4 - 64.4
LDH SCE mod. liquiUV Substrate Pyruvate, 37°C, SCE	µkat/l	5.32	4.53 - 6.08	U/l	319	272 - 365
LDL CHOLESTEROL liquicolor Homogenous enzymatic assay	mmol/l	not available	- - -	mg/dl	not available	- - -
LIPASE liquicolor Substrate Methylresorufin, 37°C	µkat/l	0.583	0.470 - 0.697	U/l	35.0	28.2 - 41.8
LIPOPROTEIN (a) Immunoturbidimetry	g/l	0.393	0.365 - 0.420	mg/dl	39.3	36.5 - 42.0
MAGNESIUM liquicolor Xylidyl blue	mmol/l	0.872	0.782 - 0.963	mg/dl	2.12	1.90 - 2.34
PANCREAS-AMYLASE liquicolor EPS-G7, 37°C	µkat/l	1.04	0.899 - 1.17	U/l	62.1	53.9 - 70.4
PHOSPHORUS liquirapid Molybdate (UV)	mmol/l	0.89	0.788 - 0.995	mg/dl	2.76	2.44 - 3.08
Potassium ISE direct HumaStar 600	mmol/l	3.97	3.87 - 4.06	mval/l	3.97	3.87 - 4.06
Potassium ISE direct Humalyte	mmol/l	4.35	4.15 - 4.55	mval/l	4.35	4.15 - 4.55
POTASSIUM liquiUV Enzymatic	mmol/l	3.86	3.48 - 4.24	mval/l	3.86	3.48 - 4.24
Sodium ISE direct HumaStar 600	mmol/l	107	105 - 109	mval/l	107	105 - 109
Sodium ISE direct Humalyte	mmol/l	116	109 - 122	mval/l	116	109 - 122
SODIUM liquicolor Enzymatic	mmol/l	99.9	82.5 - 117	mval/l	99.9	82.5 - 117
TIBC Fe saturation Fe determination using IRON liquicolor	µmol/l	53.9	44.9 - 62.7	µg/dl	301	251 - 350
TIBC Fe saturation Fe determination using IRON TPTZ liquicolor	µmol/l	46.2	39.7 - 52.6	µg/dl	258	222 - 294
TOTAL PROTEIN liquicolor Biuret	g/l	56.5	53.4 - 59.6	g/dl	5.65	5.34 - 5.96
TRIGLYCERIDES liquicolor^{mono} GPO POD	mmol/l	1.61	1.36 - 1.86	mg/dl	141	119 - 163
UREA liquiUV Urease	mmol/l	5.44	4.68 - 6.21	mg/dl	32.7	28.1 - 37.3
URIC ACID liquicolor^{plus} Uricase with ascorbate oxidase	µmol/l	261	228 - 293	mg/dl	4.38	3.84 - 4.92
URIC ACID liquicolor Uricase	µmol/l	303	253 - 352	mg/dl	5.09	4.25 - 5.92

* Stability after reconstitution and storage at 2-8°C for 7 days.