

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 | applicable for anwendbar für aplicable para applicable pour | 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 | HumaLyzor photometer, HumaStar analyzer | µkat/l | 0,073 | 0,034 - 0,11 | U/l | 4,40 | 2,02 - 6,78 | |
| ALBUMIN Iquicolor Bromocresol green | HumaLyzor 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 | HumaLyzor 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 | HumaLyzor photometer w/o HL4000 | µkat/l | 2,28 | 2,03 - 2,52 | U/l | 137 | 122 - 151 | |
| | HumaLyzor 4000 | µkat/l | 2,00 | 1,73 - 2,27 | U/l | 120 | 104 - 136 | |
| | HumaStar analyzer | µkat/l | 1,95 | 1,73 - 2,17 | U/l | 117 | 104 - 130 | |
| alpha-AMYLASE Iquicolor CNPG3, 37°C, IFCC | HumaLyzor 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 | HumaLyzor photometer | µmol/l | 14,4 | 9,58 - 19,0 | mg/dl | 0,84 | 0,56 - 1,11 | |
| | HumaStar analyzer | µmol/l | 14,0 | 10,9 - 16,9 | mg/dl | 0,82 | 0,64 - 0,99 | |
| auto-BILIRUBIN-T Iquicolor DPD | HumaLyzor photometer | µmol/l | 21,5 | 15,6 - 27,4 | mg/dl | 1,26 | 0,91 - 1,60 | |
| | HumaStar analyzer w/o H5600 | µmol/l | 19,3 | 13,7 - 25,0 | mg/dl | 1,13 | 0,80 - 1,46 | |
| | HumaStar 600 | µmol/l | 16,6 | 14,7 - 18,5 | mg/dl | 0,97 | 0,86 - 1,08 | |
| BILIRUBIN Iquicolor DCA | HumaLyzor 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 | HumaLyzor photometer w/o HL4000 | µmol/l | 10,6 | 9,06 - 12,1 | mg/dl | 0,62 | 0,53 - 0,71 | |
| | HumaLyzor 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 | HumaLyzor photometer w/o HL4000 | µmol/l | 18,3 | 15,9 - 20,7 | mg/dl | 1,07 | 0,93 - 1,21 | |
| | HumaLyzor 4000 | µmol/l | 18,8 | 12,8 - 24,6 | mg/dl | 1,10 | 0,75 - 1,44 | |
| CALCIUM Iquicolor Ortho-cresolphthalein | HumaLyzor 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 | HumaLyzor Primus | mmol/l | 102 | 88,4 - 115 | mg/dl | 362 | 313 - 408 | |
| | HumaLyzor 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 | HumaLyzor 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 | HumaLyzor photometer | µkat/l | 2,35 | 1,43 - 3,28 | U/l | 141 | 85,5 - 197 | |
| CK NAC IquiuV Enzymatic, 37°C, IFCC | HumaLyzor photometer | µkat/l | 2,48 | 2,03 - 2,93 | U/l | 149 | 122 - 176 | |
| | HumaStar analyzer | µkat/l | 2,73 | 1,70 - 3,75 | U/l | 164 | 102 - 225 | |
| auto-CREATININE Iquicolor Jaffé | HumaLyzor 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 | HumaLyzor photometer | µmol/l | 79,6 | 69,8 - 89,3 | mg/dl | 0,90 | 0,79 - 1,01 | |
| CREATININE (enzym) Iquicolor Enzymatic | HumaLyzor 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 | HumaLyzor photometer | µkat/l | 1,02 | 0,839 - 1,20 | U/l | 61,1 | 50,3 - 71,9 | |
| | HumaStar analyzer | µkat/l | 1,11 | 0,945 - 1,28 | U/l | 66,8 | 56,7 - 76,9 | |
| GLUCOSE Iquicolor GOD | HumaLyzor 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 | HumaLyzor 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 (AST) IFCC mod. IquiuV Enzymatic, 37°C, IFCC without P5P | HumaLyzor photometer | µkat/l | 0,467 | 0,398 - 0,535 | U/l | 28,0 | 23,9 - 32,1 | |
| | HumaStar analyzer | µkat/l | 0,430 | 0,370 - 0,488 | U/l | 25,8 | 22,2 - 29,3 | |
| GPT (ALT) IFCC mod. IquiuV Enzymatic, 37°C, IFCC without P5P | HumaLyzor photometer | µkat/l | 0,510 | 0,455 - 0,565 | U/l | 30,6 | 27,3 - 33,9 | |
| | HumaStar analyzer | µkat/l | 0,515 | 0,412 - 0,620 | U/l | 30,9 | 24,7 - 37,2 | |
| HDL CHOLESTEROL Precipitation method | HumaLyzor photometer | mmol/l | 2,24 | 1,93 - 2,54 | mg/dl | 86,6 | 74,8 - 98,4 | |
| IRON Iquicolor CAB | HumaLyzor 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 Iliqicolor 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. IliqIUV Substrate Pyruvate, 37°C | HumaLyzer photometer | µkat/l | 6,47 | 4,50 - 8,44 | U/l | 388 | 270 - 506 |
| | HumaStar analyzer | µkat/l | 5,12 | 4,28 - 5,95 | U/l | 307 | 257 - 357 |
| MAGNESIUM Iliqicolor Xylidyl blue | HumaLyzer photometer | mmol/l | 0,819 | 0,695 - 0,942 | mg/dl | 1,99 | 1,69 - 2,29 |
| | HumaStar analyzer | mmol/l | 0,769 | 0,671 - 0,868 | mg/dl | 1,87 | 1,63 - 2,11 |
| PANCREAS-AMYLASE Iliqicolor 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 Iliqirapid 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 | 1,34 | 1,17 - 1,50 | mg/dl | 4,14 | 3,62 - 4,65 |
| Potassium ISE direct | HumaStar 600, Humalyte | mmol/l | 4,79 | 4,32 - 5,26 | mval/l | 4,79 | 4,32 - 5,26 |
| POTASSIUM Iliqirapid Precipitation method | HumaLyzer photometer | mmol/l | 4,30 | 3,16 - 5,44 | mval/l | 4,30 | 3,16 - 5,44 |
| POTASSIUM IliqIUV Enzymatic | HumaLyzer photometer | mmol/l | 4,21 | 3,80 - 4,62 | mval/l | 4,21 | 3,80 - 4,62 |
| | HumaStar analyzer | mmol/l | 4,24 | 3,84 - 4,64 | mval/l | 4,24 | 3,84 - 4,64 |
| 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 Iliqicolor Enzymatic | HumaLyzer photometer | mmol/l | 96,4 | 82,4 - 110 | mval/l | 96,4 | 82,4 - 110 |
| | HumaStar analyzer | mmol/l | 104 | 89,3 - 118 | mval/l | 104 | 89,3 - 118 |
| 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 Iliqicolor | HumaStar analyzer | µmol/l | 68,4 | 60,9 - 75,9 | µg/dl | 382 | 340 - 424 |
| TIBC Fe saturation Fe determination using IRON TPTZ Iliqicolor | HumaStar analyzer | µmol/l | 77,3 | 63,2 - 91,6 | µg/dl | 432 | 353 - 512 |
| TOTAL PROTEIN Iliqicolor Biuret | HumaLyzer photometer | g/l | 61,7 | 57,6 - 65,8 | g/dl | 6,17 | 5,76 - 6,58 |
| | HumaStar analyzer | g/l | 66,4 | 63,2 - 69,6 | g/dl | 6,64 | 6,32 - 6,96 |
| TRIGLYCERIDES Iliqicolor^{mono} GPO POD | HumaLyzer photometer | mmol/l | 1,09 | 0,83 - 1,35 | mg/dl | 95,3 | 72,8 - 118 |
| | HumaStar analyzer | mmol/l | 1,07 | 0,897 - 1,24 | mg/dl | 94,0 | 78,7 - 109 |
| UREA Iliqicolor Berthelot mod. | HumaLyzer photometer | mmol/l | 4,86 | 3,95 - 5,78 | mg/dl | 29,2 | 23,7 - 34,7 |
| UREA IliqIUV 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 Iliqicolor^{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 Iliqicolor 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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