

HUMAN Constituent / Method		SI Units SI Einheiten Unidades SI	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge	Units Einheiten Unidades Unités	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge
Level 1							
ALBUMIN Iquicolor	Multipurpose reagent	g/l	21.8	16.8 - 26.8	g/dl	2.18	1.68 - 2.68
Bromocresol Green CRM 470	HumaStar system reagent	g/l	23.2	17.9 - 28.5	g/dl	2.32	1.79 - 2.85
anti-STREPTOLYSIN-O (Aso)	Multipurpose reagent	klU/l	98.1	78.5 - 118	IU/ml	98.1	78.5 - 118
Immunoturbidimetry latex enhanced	HumaStar system reagent	klU/l	101	81.0 - 121	IU/ml	101	81.0 - 121
COMPLEMENT C3	Multipurpose reagent	g/l	0.59	0.47 - 0.70	mg/dl	58.7	47.0 - 70.4
Immunoturbidimetry	HumaStar system reagent	g/l	0.65	0.52 - 0.77	mg/dl	64.5	51.6 - 77.4
COMPLEMENT C4	Multipurpose reagent	g/l	0.109	0.087 - 0.131	mg/dl	10.9	8.73 - 13.1
Immunoturbidimetry	HumaStar system reagent (HS 300 SR)	g/l	0.112	0.090 - 0.135	mg/dl	11.2	8.98 - 13.5
	HumaStar system reagent (HS 600)	g/l	0.103	0.082 - 0.124	mg/dl	10.3	8.24 - 12.4
CRP	Multipurpose reagent (without HS 100)	mg/l	5.06	4.05 - 6.07	mg/dl	0.506	0.405 - 0.607
Immunoturbidimetry	Multipurpose reagent (HS 100)	mg/l	6.41	5.13 - 7.69	mg/dl	0.641	0.513 - 0.769
	HumaStar system reagent (HS 300 SR)	mg/l	5.93	4.74 - 7.12	mg/dl	0.593	0.474 - 0.712
	HumaStar system reagent (HS 600)	mg/l	7.12	5.70 - 8.54	mg/dl	0.712	0.570 - 0.854
FERRITIN	Multipurpose reagent	µg/l	50.3	40.3 - 60.4	ng/ml	50.3	40.3 - 60.4
Immunoturbidimetry latex enhanced	HumaStar system reagent	µg/l	57.2	45.8 - 68.7	ng/ml	57.2	45.8 - 68.7
IMMUNOGLOBULINS direct IgA	Multipurpose reagent	g/l	1.13	0.90 - 1.36	mg/dl	113	90.4 - 136
Immunoturbidimetry	HumaStar system reagent	g/l	1.17	0.94 - 1.40	mg/dl	117	93.6 - 140
IMMUNOGLOBULINS direct IgG	Multipurpose reagent	g/l	10.6	8.47 - 12.7	mg/dl	1059	847 - 1271
Immunoturbidimetry	HumaStar system reagent (HS 300 SR)	g/l	9.69	7.75 - 11.6	mg/dl	969	775 - 1163
	HumaStar system reagent (HS 600)	g/l	11.1	8.89 - 13.3	mg/dl	1111	889 - 1333
IMMUNOGLOBULINS direct IgM	Multipurpose reagent***	g/l	0.294	0.235 - 0.353	mg/dl	29.4	23.5 - 35.3
Immunoturbidimetry	HumaStar system reagent (HS 300 SR)	g/l	0.227	0.182 - 0.272	mg/dl	22.7	18.2 - 27.2
	HumaStar system reagent (HS 600)	g/l	0.318	0.254 - 0.382	mg/dl	31.8	25.4 - 38.2
RHEUMATOID FACTORS (RF) *							
TOTAL PROTEIN Iquicolor	Multipurpose reagent	g/l	46.3	41.2 - 51.4	g/dl	4.63	4.12 - 5.14
Biuret	HumaStar system reagent	g/l	45.3	40.3 - 50.3	g/dl	4.53	4.03 - 5.03
TRANSFERRIN	Multipurpose reagent	g/l	1.47	1.18 - 1.76	mg/dl	147	118 - 176
Immunoturbidimetry	HumaStar system reagent	g/l	1.52	1.22 - 1.82	mg/dl	152	122 - 182
Level 2 **							
ALBUMIN Iquicolor	Multipurpose reagent	g/l	78.2	60.2 - 96.2	g/dl	7.82	6.02 - 9.62
Bromocresol Green CRM 470	HumaStar system reagent	g/l	81.8	63.0 - 101	g/dl	8.18	6.30 - 10.1
anti-STREPTOLYSIN-O (Aso)	Multipurpose reagent	klU/l	352	281 - 422	IU/ml	352	281 - 422
Immunoturbidimetry latex enhanced	HumaStar system reagent	klU/l	366	292 - 439	IU/ml	366	292 - 439
COMPLEMENT C3	Multipurpose reagent	g/l	2.44	1.95 - 2.92	mg/dl	244	195 - 292
Immunoturbidimetry	HumaStar system reagent	g/l	2.28	1.82 - 2.73	mg/dl	228	182 - 273
COMPLEMENT C4	Multipurpose reagent	g/l	0.420	0.336 - 0.504	mg/dl	42.0	33.6 - 50.4
Immunoturbidimetry	HumaStar system reagent	g/l	0.392	0.313 - 0.470	mg/dl	39.2	31.3 - 47.0
CRP	Multipurpose reagent	mg/l	59.4	47.5 - 71.3	mg/dl	5.94	4.75 - 7.13
Immunoturbidimetry	HumaStar system reagent (HS 300 SR)	mg/l	56.4	45.1 - 67.7	mg/dl	5.64	4.51 - 6.77
	HumaStar system reagent (HS 600)	mg/l	64.4	51.5 - 77.3	mg/dl	6.44	5.15 - 7.73
FERRITIN	Multipurpose reagent	µg/l	376	301 - 452	ng/ml	376	301 - 452
Immunoturbidimetry latex enhanced	HumaStar system reagent	µg/l	392	313 - 470	ng/ml	392	313 - 470
IMMUNOGLOBULINS direct IgA	Multipurpose reagent	g/l	3.94	3.15 - 4.73	mg/dl	394	315 - 473
Immunoturbidimetry	HumaStar system reagent	g/l	4.04	3.23 - 4.84	mg/dl	404	323 - 484
IMMUNOGLOBULINS direct IgG	Multipurpose reagent	g/l	30.1	24.1 - 36.1	mg/dl	3011	2409 - 3613
Immunoturbidimetry	HumaStar system reagent	g/l	32.3	25.9 - 38.8	mg/dl	3235	2588 - 3882
IMMUNOGLOBULINS direct IgM	Multipurpose reagent***	g/l	1.18	0.94 - 1.41	mg/dl	118	94.1 - 141
Immunoturbidimetry	HumaStar system reagent	g/l	1.20	0.96 - 1.44	mg/dl	120	95.7 - 144
RHEUMATOID FACTORS (RF)	Multipurpose reagent	klU/l	*		IU/ml	*	
TOTAL PROTEIN Iquicolor	Multipurpose reagent	g/l	134	119 - 149	g/dl	13.4	11.9 - 14.9
Biuret	HumaStar system reagent	g/l	132	117 - 147	g/dl	13.2	11.7 - 14.7
TRANSFERRIN	Multipurpose reagent	g/l	4.86	3.89 - 5.83	mg/dl	486	389 - 583
Immunoturbidimetry	HumaStar system reagent	g/l	5.15	4.12 - 6.18	mg/dl	515	412 - 618

* RHEUMATOID FACTORS (RF) - Multipurpose and HumaStar system reagent - Please refer to separate RF target value sheet - Use the following link.

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

** If the concentration is above the measuring range a technically reasonable dilution has to be performed with saline or diluent, REF 16663/10. Rerun the assay and multiply the result with the dilution factor.

*** The control should not be used at the HumaLyzer 4000.