

HUMAN Constituent / Method		SI Units SI Einheiten Unitades SI Unités SI	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge	Units Einheiten Unitades Unités	Target Sollwert Valor meta Valeur souhaitée	Range Bereich Rango Marge
Level 1							
ALBUMIN liquicolor	Multipurpose reagent	g/l	22.5	17.3 - 27.7	g/dl	2.25	1.73 - 2.77
Brom cresol Green CRM 470	HumaStar system reagent	g/l	22.5	17.3 - 27.7	g/dl	2.25	1.73 - 2.77
anti-STREPTOLYSIN-O (Aso)	Multipurpose reagent	klU/l	82.0	65.6 - 98.4	IU/ml	82.0	65.6 - 98.4
Immunoturbidimetry latex enhanced	HumaStar system reagent	klU/l	82.0	65.6 - 98.4	IU/ml	82.0	65.6 - 98.4
COMPLEMENT C3	Multipurpose reagent	g/l	0.55	0.44 - 0.66	mg/dl	55.0	44.0 - 66.0
Immunoturbidimetry	HumaStar system reagent	g/l	0.55	0.44 - 0.66	mg/dl	55.0	44.0 - 66.0
COMPLEMENT C4	Multipurpose reagent	g/l	0.09	0.07 - 0.11	mg/dl	9.26	7.41 - 11.1
Immunoturbidimetry	HumaStar system reagent (HS 300 SR)	g/l	0.09	0.07 - 0.11	mg/dl	9.26	7.41 - 11.1
	HumaStar system reagent (HS 600)	g/l	0.08	0.06 - 0.09	mg/dl	7.86	6.29 - 9.43
CRP	Multipurpose reagent, other instruments	mg/l	6.60	4.62 - 8.58	mg/dl	0.66	0.46 - 0.86
Immunoturbidimetry	HumaStar reagent (HS 100, HS 200)	mg/l	6.60	5.28 - 7.92	mg/dl	0.66	0.53 - 0.79
	HumaStar system reagent	mg/l	6.60	5.28 - 7.92	mg/dl	0.66	0.53 - 0.79
FERRITIN	Multipurpose reagent	µg/l	49.7	39.8 - 59.6	ng/ml	49.7	39.8 - 59.6
Immunoturbidimetry latex enhanced	HumaStar system reagent	µg/l	49.7	39.8 - 59.6	ng/ml	49.7	39.8 - 59.6
IMMUNOGLOBULINS direct IgA	Multipurpose reagent	g/l	1.18	0.94 - 1.42	mg/dl	118	94 - 142
Immunoturbidimetry	HumaStar system reagent	g/l	1.18	0.94 - 1.42	mg/dl	118	94 - 142
IMMUNOGLOBULINS direct IgG	Multipurpose reagent	g/l	9.90	7.92 - 11.9	mg/dl	990	792 - 1188
Immunoturbidimetry	HumaStar system reagent (HS 300 SR)	g/l	8.59	6.87 - 10.3	mg/dl	859	687 - 1031
	HumaStar system reagent (HS 600)	g/l	9.90	7.92 - 11.9	mg/dl	990	792 - 1188
IMMUNOGLOBULINS direct IgM	HS 300SR, HS100	g/l	0.31	0.25 - 0.37	mg/dl	30.9	24.7 - 37.1
Immunoturbidimetry	other	g/l	0.37	0.29 - 0.44	mg/dl	36.6	29.3 - 43.9
RHEUMATOID FACTORS (RF) *							
TOTAL PROTEIN liquicolor	Multipurpose reagent	g/l	45.2	40.2 - 50.2	g/dl	4.52	4.02 - 5.02
Biuret	HumaStar system reagent	g/l	45.2	40.2 - 50.2	g/dl	4.52	4.02 - 5.02
TRANSFERRIN	HS 300SR	g/l	1.53	1.22 - 1.84	mg/dl	153	122 - 184
Immunoturbidimetry	other	g/l	1.37	1.10 - 1.64	mg/dl	137	110 - 164
Level 2 **							
ALBUMIN liquicolor	Multipurpose reagent	g/l	66.5	51.2 - 81.8	g/dl	6.65	5.12 - 8.18
Brom cresol Green CRM 470	HumaStar system reagent	g/l	66.5	51.2 - 81.8	g/dl	6.65	5.12 - 8.18
anti-STREPTOLYSIN-O (Aso)	Multipurpose reagent	klU/l	294	235 - 353	IU/ml	294	235 - 353
Immunoturbidimetry latex enhanced	HumaStar system reagent	klU/l	294	235 - 353	IU/ml	294	235 - 353
COMPLEMENT C3	Multipurpose reagent	g/l	1.60	1.28 - 1.92	mg/dl	160	128 - 192
Immunoturbidimetry	HumaStar system reagent	g/l	1.60	1.28 - 1.92	mg/dl	160	128 - 192
COMPLEMENT C4	Multipurpose reagent	g/l	0.27	0.21 - 0.32	mg/dl	26.7	21.4 - 32.0
Immunoturbidimetry	HumaStar system reagent	g/l	0.27	0.21 - 0.32	mg/dl	26.7	21.4 - 32.0
CRP	Multipurpose reagent	mg/l	49.0	39.2 - 58.8	mg/dl	4.90	3.92 - 5.88
Immunoturbidimetry	HumaStar system reagent	mg/l	49.0	39.2 - 58.8	mg/dl	4.90	3.92 - 5.88
FERRITIN	Multipurpose reagent	µg/l	349	279 - 419	ng/ml	349	279 - 419
Immunoturbidimetry latex enhanced	HumaStar system reagent	µg/l	349	279 - 419	ng/ml	349	279 - 419
IMMUNOGLOBULINS direct IgA	Multipurpose reagent	g/l	3.21	2.57 - 3.85	mg/dl	321	257 - 385
Immunoturbidimetry	HumaStar system reagent	g/l	3.21	2.57 - 3.85	mg/dl	321	257 - 385
IMMUNOGLOBULINS direct IgG	HS 300SR	g/l	28.1	22.5 - 33.8	mg/dl	2814	2251 - 3377
Immunoturbidimetry	other	g/l	30.7	24.5 - 36.8	mg/dl	3065	2452 - 3678
IMMUNOGLOBULINS direct IgM	Multipurpose reagent	g/l	1.08	0.86 - 1.30	mg/dl	108	86 - 130
Immunoturbidimetry	HumaStar system reagent	g/l	1.08	0.86 - 1.30	mg/dl	108	86 - 130
RHEUMATOID FACTORS (RF)							
TOTAL PROTEIN liquicolor	Multipurpose reagent	g/l	117	104 - 130	g/dl	11.7	10.4 - 13.0
Biuret	HumaStar system reagent	g/l	117	104 - 130	g/dl	11.7	10.4 - 13.0
TRANSFERRIN	Multipurpose reagent	g/l	4.07	3.26 - 4.88	mg/dl	407	326 - 488
Immunoturbidimetry	HumaStar system reagent	g/l	4.07	3.26 - 4.88	mg/dl	407	326 - 488

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

www.human.de/data/gb/vr/targetvaluef-19001.pdf or www.human-de.com/data/gb/vr/targetvaluef-19001.pdf

** 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.