

LOT IM23101
IM23102
IM23103

 2023-10-31

MAS[®] Immunology

LIQUID ASSAYED IMMUNOLOGY CONTROL

IVD

INTENDED USE

MAS[®] Immunology is intended for use in the clinical laboratory as a consistent test sample of known concentration for monitoring assay conditions in many immunological determinations. Include **Immunology** with patient serum specimens when assaying for any of the listed constituents. Assay values are provided for the specific systems listed. The user can compare observations with expected ranges as a means of assuring consistent performance of reagent and instrument.

PRODUCT DESCRIPTION

Immunology is a liquid stable control material prepared from human serum. Analyte levels are adjusted with various pure chemicals and preparations from human tissue or body fluids. Preservatives and stabilizers are added to maintain product integrity.

CAUTION: Immunology is prepared from human source material. Components of the control which are derived from human source material have been tested using FDA accepted methods and found non-reactive for Hepatitis B Surface Antigen (HBsAg), Hepatitis C (HCV), HIV-1 and HIV-2. However, no test method can offer complete assurance that products derived from human source material are free of infectious agents. This control must be handled in accordance with recommendations from Centers for Disease Control/National Institutes of Health manual, "Biosafety in Microbiological and Biomedical Laboratories," 2009.

CAUTION: The packaging of this product contains dry natural rubber.

CAUTION: Immunology also contains small quantities of sodium azide ($\leq 0.09\%$) which may react with lead or copper plumbing to form metal azides. Continuous build-up of metal azides can present an explosion hazard. Upon disposal, flush drains with copious amounts of water to prevent azide build-up. Clean exposed metal surfaces with 10% sodium hydroxide. Avoid contact with skin and mucous membranes. Flush affected areas with copious amounts of water. Get immediate medical attention for eyes, or if ingested.

STORAGE AND STABILITY

Store **Immunology** at 2-8°C. Unopened vials are stable until the expiration date on the label. Once opened, vials of control are stable for 30 days when stored tightly capped at 2-8°C. **Do not freeze.**

Bacterial contamination produces an increase in turbidity and/or a characteristic odor. Discard vial if evidence of microbial contamination is observed.

CONTROL RANGES

The published control ranges are based upon a combination of replicate assays of representative samples by participating laboratories, instrument/reagent manufacturers and direct correlation with other analytical systems in accordance with established protocol. Instrument values provided are specific to this lot of control only and are intended to assist the laboratory in establishing its own means and ranges. All values have been assigned with instruments and reagents available at the time of assay and expected values may vary with different reagents and/or methodologies. Laboratory established means should fall within the assigned ranges although subsequent instrument, reagent or calibration modifications may invalidate assigned values.

Peer comparison data and latest QC lot specific updates are available online through LabLink[®] xL Quality Assurance Program at www.maslablink.com. Refer to the Technical Assistance section for contact information.

INSTRUCTIONS FOR USE

Thoroughly mix the contents of the vial before each use by gently inverting for several minutes. Open the vial and transfer the required quantity of control into a clean sample cup. Replace cap immediately and store the opened vial at 2-8°C. Assay controls in accordance with the manufacturer's instructions for unknown specimens.

Dropper tips are available to help minimize exposure of control samples to air. **DO NOT** use a syringe needle to withdraw sample through the control bottle cap.

QUALITY CONTROL

All quality control requirements should be performed in conformance with local, state and/or federal regulations or accreditation requirements.

LIMITATIONS OF PROCEDURE

Compatibility of **Immunology** has been demonstrated only with methods shown in this insert. Caution should be employed when using these controls with methods for which values have not been printed.

The specificity of antibodies used in immunoassay procedures may vary between lots. As with patient specimens, cross-reactivities between certain constituents in this control serum may occur with some reagents. Consult reagent manufacturer's package insert regarding possible interferences.

Accurate and reproducible results are dependent upon properly functioning instruments, reagents, and good laboratory technique. This product is intended for use as an assayed control for quantitative assays of listed constituents in human serum. This product is not intended for use as a calibrator. For professional use only.

TECHNICAL ASSISTANCE

In the USA, for technical assistance, call 800-232-3342 or 510-979-5417. For insert updates and information, if your laboratory subscribes to LabLink xL, visit www.maslablink.com and select LabLink Extra. Alternatively, to subscribe to LabLink xL call 800-232-3342 or 510-979-5451.

Outside of the USA, if your laboratory subscribes to LabLink xL, visit www.maslablink.com select LabLink Extra. Alternatively, please contact your local sales office or authorized distributor.

Cat. No.	Description	Size
IC-101	MAS [®] Immunology, Level 1	6 x 3 mL
IC-202	MAS [®] Immunology, Level 2	6 x 3 mL
IC-303	MAS [®] Immunology, Level 3	6 x 3 mL
286-606	Dropper Tips	Pkg. 100



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U	CON							SI							
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ABBOTT AEROSSET / ARCHITECT SYSTEMS															
Albumin	BCG (7D53)	2.30	1.84 - 2.76	4.70	3.76 - 5.64	6.87	5.50 - 8.24	g/dL	23.0	18.4 - 27.6	47.0	37.6 - 56.4	68.7	55.0 - 82.4	g/L
Albumin	BCP (7D54)	2.38	1.90 - 2.86	4.86	3.89 - 5.83	6.99	5.59 - 8.39	g/dL	23.8	19.0 - 28.6	48.6	38.9 - 58.3	69.9	55.9 - 83.9	g/L
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric (6L34)	**		**		**		mg/dL	**		**		**		g/L
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric (6K99)	**		**		**		mg/dL	**		**		**		g/L
Antistreptolysin O (ASO)	Immunoturbidimetric (6K38)	114	91.5 - 137	223	178 - 268	329	263 - 395	IU/mL	114	91.5 - 137	223	178 - 268	329	263 - 395	kIU/L
Apolipoprotein A1 (APO A1)	Immunoturbidimetric (9D92)	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L
Apolipoprotein B (APO B)	Immunoturbidimetric (9D93)	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L
Beta-2-Microglobulin (B2M)	Immunoturbidimetric (6K39)	**		**		**		mg/dL	**		**		**		mg/L
Beta-2-Microglobulin (B2M)	Immunoturbidimetric (6K39 Non U.S.)	0.32	0.26 - 0.38	0.66	0.53 - 0.79	1.06	0.85 - 1.27	mg/dL	3.20	2.60 - 3.80	6.60	5.30 - 7.90	10.6	8.50 - 12.7	mg/L
Ceruloplasmin	Immunoturbidimetric (6K91)	**		**		**		mg/dL	**		**		**		g/L
Complement Component 3 (C3)	Immunoturbidimetric (9D96)	59.5	47.6 - 71.3	126	101 - 152	192	153 - 230	mg/dL	0.59	0.48 - 0.71	1.26	1.01 - 1.52	1.92	1.53 - 2.30	g/L
Complement Component 4 (C4)	Immunoturbidimetric (9D97)	11.0	8.78 - 13.2	21.4	17.1 - 25.6	32.6	26.1 - 39.1	mg/dL	0.11	0.09 - 0.13	0.21	0.17 - 0.26	0.33	0.26 - 0.39	g/L
C-Reactive Protein, High Sensitivity (hsCRP)	Immunoturbidimetric (CRP16) (6K26)	0.94	0.73 - 1.15	4.39	3.51 - 5.27	7.74	6.19 - 9.29	mg/dL	9.40	7.30 - 11.5	43.9	35.1 - 52.7	77.4	61.9 - 92.9	mg/L
C-Reactive Protein, Wide Range (wrCRP)	Immunoturbidimetric (CRP48) (6K26)	**		**		**		mg/dL	**		**		**		mg/L
Ferritin****	CMIA (7K59)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Ferritin****	CMIA (7K59 Non U.S.)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Ferritin****	Immunoturbidimetric (6K41)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Ferritin****	Immunoturbidimetric (6K41 Non U.S.)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Haptoglobin	Immunoturbidimetric (9D91)	77.9	62.3 - 93.4	164	131 - 197	246	197 - >250	mg/dL	0.78	0.62 - 0.93	1.64	1.31 - 1.97	2.46	1.97 - >2.50	g/L
Immunoglobulin A (IgA)	Immunoturbidimetric (9D98)	114	91.5 - 137	238	190 - 285	369	295 - 442	mg/dL	1.14	0.92 - 1.37	2.38	1.90 - 2.85	3.69	2.95 - 4.42	g/L
Immunoglobulin E (IgE)	Latex Particle Immunoturbidimetric (6K42)	111	88.9 - 133	209	167 - 251	307	246 - 369	IU/mL	111	88.9 - 133	209	167 - 251	307	246 - 369	kIU/L
Immunoglobulin E (IgE)	Latex Particle Immunoturbidimetric (6K42 Non U.S.)	116	92.7 - 139	207	166 - 249	315	252 - 378	IU/mL	116	92.7 - 139	207	166 - 249	315	252 - 378	kIU/L
Immunoglobulin G (IgG)	Immunoturbidimetric (9D99)	1377	1102 - 1653	2723	2178 - 3267	>3825		mg/dL	13.8	11.0 - 16.5	27.2	21.8 - 32.7	>38.3		g/L
Immunoglobulin M (IgM)	Immunoturbidimetric (1E01)	34.7	26.9 - 42.4	83.1	66.4 - 99.7	129	103 - 155	mg/dL	0.35	0.27 - 0.42	0.83	0.66 - 1.00	1.29	1.03 - 1.55	g/L
Kappa Light Chain	Immunoturbidimetric (6K96)	**		**		**		mg/dL	**		**		**		g/L
Kappa Light Chain, Free	Latex Enhanced Immunoturbidimetric (Diazyme)	2.44	1.95 - 2.93	3.95	3.16 - 4.74	5.13	4.10 - 6.16	mg/dL	24.4	19.5 - 29.3	39.5	31.6 - 47.4	51.3	41.0 - 61.6	mg/L
Lambda Light Chain	Immunoturbidimetric (4P80)	**		**		**		mg/dL	**		**		**		g/L
Lambda Light Chain, Free	Latex Enhanced Immunoturbidimetric (Diazyme)	3.99	3.19 - 4.79	5.92	4.74 - 7.10	7.23	5.78 - 8.68	mg/dL	39.9	31.9 - 47.9	59.2	47.4 - 71.0	72.3	57.8 - 86.8	mg/L
Prealbumin	Immunoturbidimetric (1E02)	15.8	12.6 - 19.0	33.3	26.6 - 40.0	50.8	40.6 - >54.0	mg/dL	158	126 - 190	333	266 - 400	508	406 - >540	mg/L
Rheumatoid Factor (RF)***	Immunoturbidimetric - 1:1.0 (6K44 Quantia)	35.7	28.6 - 42.8	70.6	56.5 - 84.7	102	81.9 - 123	IU/mL	35.7	28.6 - 42.8	70.6	56.5 - 84.7	102	81.9 - 123	kIU/L
Rheumatoid Factor (RF)***	Immunoturbidimetric - 1:0.35 (6K44 Quantia)	**		**		**		IU/mL	**		**		**		kIU/L
Rheumatoid Factor (RF)***	Immunoturbidimetric (8G66)	28.4	22.7 - 34.0	67.2	53.7 - 80.6	103	82.7 - 124	IU/mL	28.4	22.7 - 34.0	67.2	53.7 - 80.6	103	82.7 - 124	kIU/L
Rheumatoid Factor (RF)***	Immunoturbidimetric (DiaSys)	**		**		**		IU/mL	**		**		**		kIU/L
Total Protein	Benzethonium Chloride (7D79)	**		**		**		mg/dL	**		**		**		g/L
Total Protein	Biuret (4U44)	4.55	3.64 - 5.46	8.89	7.11 - 10.7	13.5	10.8 - 16.2	g/dL	45.5	36.4 - 54.6	88.9	71.1 - 107	135	108 - 162	g/L
Total Protein	Biuret (7D73)	4.52	3.62 - 5.42	9.12	7.30 - 10.9	13.6	10.9 - 16.3	g/dL	45.2	36.2 - 54.2	91.2	73.0 - 109	136	109 - 163	g/L
Transferrin	Immunoturbidimetric (1E04)	156	125 - 188	331	265 - 398	498	398 - >548	mg/dL	1.56	1.25 - 1.88	3.31	2.65 - 3.98	4.98	3.98 - >5.48	g/L



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ABBOTT ALINITY SYSTEMS															
Albumin	BCG (08P02)	2.25	1.80 - 2.70	4.66	3.73 - 5.59	6.89	5.51 - 8.27	g/dL	22.5	18.0 - 27.0	46.6	37.3 - 55.9	68.9	55.1 - 82.7	g/L
Albumin	BCP (08P03)	2.38	1.90 - 2.86	4.86	3.89 - 5.83	7.12	5.70 - 8.54	g/dL	23.8	19.0 - 28.6	48.6	38.9 - 58.3	71.2	57.0 - 85.4	g/L
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric (01R07)	87.9	70.3 - 105	177	142 - 213	252	201 - >300	mg/dL	0.88	0.70 - 1.05	1.77	1.42 - 2.13	2.52	2.01 - >3.00	g/L
Antistreptolysin O (ASO)	Immunoturbidimetric (01R06)	115	92.2 - 138	219	175 - 263	320	256 - 384	IU/mL	115	92.2 - 138	219	175 - 263	320	256 - 384	kiU/L
Beta-2-Microglobulin (B2M)	Immunoturbidimetric (01R09)	0.31	0.25 - 0.37	0.64	0.51 - 0.77	1.02	0.82 - 1.22	mg/dL	3.10	2.50 - 3.70	6.40	5.10 - 7.70	10.2	8.20 - 12.2	mg/L
Ceruloplasmin	Immunoturbidimetric (09P93)	21.4	17.1 - 25.7	45.0	36.0 - 54.0	64.9	51.9 - 77.9	mg/dL	0.21	0.17 - 0.26	0.45	0.36 - 0.54	0.65	0.52 - 0.78	g/L
Complement Component 3 (C3)	Immunoturbidimetric (09P56)	59.1	47.3 - 70.9	126	100 - 151	191	153 - 229	mg/dL	0.59	0.47 - 0.71	1.26	1.00 - 1.51	1.91	1.53 - 2.29	g/L
Complement Component 4 (C4)	Immunoturbidimetric (09P57)	11.1	8.88 - 13.3	21.0	16.8 - 25.2	32.4	25.9 - 38.9	mg/dL	0.11	0.09 - 0.13	0.21	0.17 - 0.25	0.32	0.26 - 0.39	g/L
C-Reactive Protein, High Sensitivity (hsCRP)	Immunoturbidimetric (CRP16) (07P56)	**		**		**		mg/dL	**		**		**		mg/L
C-Reactive Protein, Wide Range (wrCRP)	Immunoturbidimetric (CRP48) (07P56)	0.86	0.69 - 1.03	4.36	3.49 - 5.23	7.78	6.22 - 9.34	mg/dL	8.60	6.90 - 10.3	43.6	34.9 - 52.3	77.8	62.2 - 93.4	mg/L
Ferritin****	CMIA (07P65)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Haptoglobin	Immunoturbidimetric (09P59)	79.4	63.5 - 95.3	167	133 - 200	255	204 - >281	mg/dL	0.79	0.64 - 0.95	1.67	1.33 - 2.00	2.55	2.04 - >2.81	g/L
Immunoglobulin A (IgA)	Immunoturbidimetric (09P61)	119	95.2 - 143	241	193 - 290	361	289 - 434	mg/dL	1.19	0.95 - 1.43	2.41	1.93 - 2.90	3.61	2.89 - 4.34	g/L
Immunoglobulin E (IgE)	Particle Enhanced Immunoturbidimetric (DiaSys)	119	95.0 - 143	231	184 - 277	324	259 - 389	IU/mL	119	95.0 - 143	231	184 - 277	324	259 - 389	kiU/L
Immunoglobulin G (IgG)	Immunoturbidimetric (09P62)	1361	1088 - 1633	2669	2135 - 3203	4072	3258 - >4117	mg/dL	13.6	10.9 - 16.3	26.7	21.4 - 32.0	40.7	32.6 - >41.2	g/L
Immunoglobulin M (IgM)	Immunoturbidimetric (09P63)	33.0	26.4 - 39.6	81.0	64.8 - 97.2	129	103 - 154	mg/dL	0.33	0.26 - 0.40	0.81	0.65 - 0.97	1.29	1.03 - 1.54	g/L
Kappa Light Chain	Immunoturbidimetric (01R02)	291	233 - 349	582	465 - >626	>626		mg/dL	2.91	2.33 - 3.49	5.82	4.65 - >6.26	>6.26		g/L
Lambda Light Chain	Immunoturbidimetric (01R03)	137	109 - 164	277	221 - >324	>324		mg/dL	1.37	1.09 - 1.64	2.77	2.21 - >3.24	>3.24		g/L
Rheumatoid Factor (RF)***	Immunoturbidimetric (01R16)	32.0	25.6 - 38.4	61.6	49.3 - 73.9	87.4	69.9 - 105	IU/mL	32.0	25.6 - 38.4	61.6	49.3 - 73.9	87.4	69.9 - 105	kiU/L
Total Protein	Biuret (07P52)	4.55	3.64 - 5.46	9.24	7.39 - 11.1	13.8	11.0 - 16.6	g/dL	45.5	36.4 - 54.6	92.4	73.9 - 111	138	110 - 166	g/L
Transferrin	Immunoturbidimetric (08P38)	158	127 - 190	336	269 - 403	511	409 - >548	mg/dL	1.58	1.27 - 1.90	3.36	2.69 - 4.03	5.11	4.09 - >5.48	g/L




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BECKMAN AU SERIES															
Albumin	BCG (OSR6x02)	2.40	1.92 - 2.88	4.90	3.92 - 5.88	>6.00	g/dL	24.0	19.2 - 28.8	49.0	39.2 - 58.8	>60.0	g/L		
Albumin	BCG (OSR6x02 Non U.S.)	2.31	1.85 - 2.77	4.66	3.73 - 5.59	>6.00	g/dL	23.1	18.5 - 27.7	46.6	37.3 - 55.9	>60.0	g/L		
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric (OSR6162)	**		**		**	mg/dL	**		**		**	g/L		
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric (OSR6163)	81.5	65.2 - 97.8	162	129 - 194	238	190 - 285	mg/dL	0.82	0.65 - 0.98	1.62	1.29 - 1.94	2.38	1.90 - 2.85	g/L
Antistreptolysin O (ASO)	Immunoturbidimetric (OSR6194)	161	129 - 193	330	264 - 396	531	425 - 637	IU/mL	161	129 - 193	330	264 - 396	531	425 - 637	kIU/L
Antistreptolysin O (ASO)	Immunoturbidimetric (OSR6194 Non U.S.)	159	128 - 191	318	254 - 381	498	398 - 597	IU/mL	159	128 - 191	318	254 - 381	498	398 - 597	kIU/L
Apolipoprotein A1 (APO A1)	Immunoturbidimetric (OSR6142)	As Found		As Found		As Found	mg/dL	As Found		As Found		As Found	g/L		
Apolipoprotein B (APO B)	Immunoturbidimetric (OSR6143)	As Found		As Found		As Found	mg/dL	As Found		As Found		As Found	g/L		
Beta-2-Microglobulin (B2M)	Immunoturbidimetric (OSR6151)	**		**		**	mg/dL	**		**		**	mg/L		
Ceruloplasmin	Immunoturbidimetric (OSR6164)	**		**		**	mg/dL	**		**		**	g/L		
Complement Component 3 (C3)	Immunoturbidimetric (OSR6159)	61.4	48.3 - 74.4	119	95.4 - 143	178	142 - 213	mg/dL	0.61	0.48 - 0.74	1.19	0.95 - 1.43	1.78	1.42 - 2.13	g/L
Complement Component 4 (C4)	Immunoturbidimetric (OSR6160)	11.5	9.21 - 13.8	22.0	17.6 - 26.4	32.5	26.0 - 39.0	mg/dL	0.12	0.09 - 0.14	0.22	0.18 - 0.26	0.32	0.26 - 0.39	g/L
C-Reactive Protein (CRP)	Immunoturbidimetric (OSR6147)	**		**		**	mg/dL	**		**		**	mg/L		
C-Reactive Protein (CRP)	Latex Immunoturbidimetric (OSR6199)	0.89	0.71 - 1.07	4.32	3.46 - 5.18	8.08	6.46 - 9.70	mg/dL	8.90	7.10 - 10.7	43.2	34.6 - 51.8	80.8	64.6 - 97.0	mg/L
C-Reactive Protein (CRP)	Latex Immunoturbidimetric (OSR6199 Non U.S.)	0.89	0.71 - 1.07	4.18	3.34 - 5.02	7.92	6.34 - 9.50	mg/dL	8.90	7.10 - 10.7	41.8	33.4 - 50.2	79.2	63.4 - 95.0	mg/L
C-Reactive Protein, High Sensitivity (hsCRP)	Latex Immunoturbidimetric (OSR6199)	0.84	0.67 - 1.01	4.01	3.21 - 4.81	7.30	5.84 - >8.00	mg/dL	8.40	6.70 - 10.1	40.1	32.1 - 48.1	73.0	58.4 - >80.0	mg/L
Ferritin****	Latex Particle Immunoturbidimetric (OSR61203)	As Found		As Found		As Found	ng/mL	As Found		As Found		As Found	µg/L		
Ferritin****	Latex Particle Immunoturbidimetric (OSR61203 Non U.S.)	As Found		As Found		As Found	ng/mL	As Found		As Found		As Found	µg/L		
Haptoglobin	Immunoturbidimetric (OSR6165)	76.8	61.4 - 92.1	152	122 - 183	227	182 - 272	mg/dL	0.77	0.61 - 0.92	1.52	1.22 - 1.83	2.27	1.82 - 2.72	g/L
Immunoglobulin A (IgA)	Immunoturbidimetric (OSR61171)	126	101 - 151	251	201 - 301	377	302 - 453	mg/dL	1.26	1.01 - 1.51	2.51	2.01 - 3.01	3.77	3.02 - 4.53	g/L
Immunoglobulin E (IgE)	Immunoturbidimetric (Biomed)	**		**		**	IU/mL	**		**		**	kIU/L		
Immunoglobulin G (IgG)	Immunoturbidimetric (OSR61172)	1288	1031 - 1546	2491	1983 - 2990	>3000	mg/dL	12.9	10.3 - 15.5	24.9	19.9 - 29.9	>30.0	g/L		
Immunoglobulin M (IgM)	Immunoturbidimetric (OSR61173)	44.3	35.4 - 53.2	102	81.6 - 122	142	114 - 171	mg/dL	0.44	0.35 - 0.53	1.02	0.82 - 1.22	1.42	1.14 - 1.71	g/L
Immunoglobulin M (IgM)	Immunoturbidimetric (OSR61173 Non U.S.)	37.0	29.6 - 44.4	78.7	62.9 - 94.4	120	95.7 - 144	mg/dL	0.37	0.30 - 0.44	0.79	0.63 - 0.94	1.20	0.96 - 1.44	g/L
Prealbumin	Immunoturbidimetric (OSR6175)	17.5	14.0 - 21.0	34.0	27.2 - 40.9	47.5	38.0 - 57.0	mg/dL	175	140 - 210	340	272 - 409	475	380 - 570	mg/L
Rheumatoid Factor (RF)***	Immunoturbidimetric (OSR61105)	29.9	23.9 - 35.9	64.4	51.5 - 77.3	97.3	77.8 - 117	IU/mL	29.9	23.9 - 35.9	64.4	51.5 - 77.3	97.3	77.8 - 117	kIU/L

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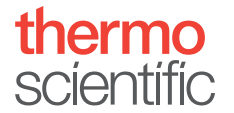
LIQUID ASSAYED IMMUNOLOGY CONTROL

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BECKMAN AU SERIES (Continued)															
Total Protein	Weichselbaum (OSR6x32)	4.67	3.74 - 5.60	9.09	7.27 - 10.9	>12.0		g/dL	46.7	37.4 - 56.0	90.9	72.7 - 109	>120	g/L	
Total Protein	Weichselbaum (OSR6x32 Non U.S.)	4.87	3.90 - 5.84	9.25	7.40 - 11.1	>12.0		g/dL	48.7	39.0 - 58.4	92.5	74.0 - 111	>120	g/L	
Transferrin	Immunoturbidimetric (OSR6152)	153	122 - 184	319	255 - 383	470	376 - 564	mg/dL	1.53	1.22 - 1.84	3.19	2.55 - 3.83	4.70	3.76 - 5.64	g/L

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BECKMAN COULTER ACCESS / DXI SYSTEMS													
Ferritin****	Chemiluminescence	As Found	As Found	As Found	ng/mL	As Found	As Found	As Found	μg/L				
Immunoglobulin E (IgE)	Chemiluminescence	**	**	**	IU/mL	**	**	**	kiU/L				



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BECKMAN COULTER DXC / SYNCHRON SYSTEMS													
Albumin	BCP (ALB/ALBm)	**	**	**	**	**	**	**	**	**	**	**	g/dL
Antistreptolysin O (ASO)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Apolipoprotein A1 (APO A1)	Immunoturbidimetric	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	mg/dL
Apolipoprotein B (APO B)	Immunoturbidimetric	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	mg/dL
Complement Component 3 (C3)	Turbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 4 (C4)	Turbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein (CRP)	Turbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein, High Sensitivity (hsCRP)	Turbidimetric (CRPH)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Haptoglobin	Immunoturbidimetric (HPT)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin A (IgA)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin G (IgG)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin M (IgM)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Prealbumin	Immunoturbidimetric (PAB)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Rheumatoid Factor (RF)***	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Total Protein	Timed Endpoint Biuret	**	**	**	**	**	**	**	**	**	**	**	g/dL
Total Protein	Biuret (TPm)	**	**	**	**	**	**	**	**	**	**	**	g/dL
Transferrin	Immunoturbidimetric (TRFN)	**	**	**	**	**	**	**	**	**	**	**	mg/dL

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BECKMAN COULTER IMMAGE SYSTEMS													
Albumin	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	g/dL
Alpha-1-Acid Glycoprotein (AAG)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Alpha-1-Antitrypsin (AAT)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Alpha-2-Macroglobulin	Rate Nephelometric (AMG)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Antistreptolysin O (ASO)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Antithrombin III	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Beta-2-Microglobulin (B2M)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Ceruloplasmin	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 3 (C3)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 4 (C4)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein (CRP)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein, High Sensitivity (hsCRP)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Ferritin****	Rate Nephelometric	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	ng/mL
Haptoglobin	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin A (IgA)	Rate Nephelometric (IGA)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin A (IgA)	Rate Nephelometric (IGALC)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin E (IgE)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Immunoglobulin G (IgG)	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin M (IgM)	Rate Nephelometric (IGM)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin M (IgM)	Rate Nephelometric (IGMLC)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Kappa Light Chain	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Kappa Light Chain, Free	Rate Nephelometric (Binding Site)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Lambda Light Chain	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Lambda Light Chain, Free	Rate Nephelometric (Binding Site)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Prealbumin	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Properdin Factor B	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Rheumatoid Factor (RF)***	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Total Protein	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	g/dL
Transferrin	Rate Nephelometric	**	**	**	**	**	**	**	**	**	**	**	mg/dL

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BINDING SITE OPTILITE[®] ANALYSER (Non U.S.)													
Albumin	Immunoturbidimetric (Alb)	**	**	**	**	**	**	**	**	**	**	**	g/dL
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric (A1AGP)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric (A1AT)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Alpha-2-Macroglobulin	Immunoturbidimetric (A2M)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Antistreptolysin O (ASO)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Apolipoprotein A1 (APO A1)	Immunoturbidimetric	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	mg/dL
Apolipoprotein B (APO B)	Immunoturbidimetric	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	mg/dL
Beta-2-Microglobulin (B2M)	Immunoturbidimetric (B2m)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Ceruloplasmin	Immunoturbidimetric (Cp)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 3 (C3)	Immunoturbidimetric (C3c)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 4 (C4)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein (CRP)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Haptoglobin	Immunoturbidimetric (HPT)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin A (IgA)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin G (IgG)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Immunoglobulin M (IgM)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Prealbumin	Immunoturbidimetric (Palb)	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Rheumatoid Factor (RF)**	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Transferrin	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL

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BINDING SITE SPAPLUS[®] ANALYSER (Non U.S.)														
Albumin	Immunoturbidimetric	**	**	**	**	g/dL	**	**	**	**	**	**	g/L	
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric (AGP)	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric (A1AT)	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Alpha-2-Macroglobulin	Immunoturbidimetric (A2M)	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Antistreptolysin O (ASO)	Immunoturbidimetric	**	**	**	**	IU/mL	**	**	**	**	**	**	kIU/L	
Apolipoprotein A1 (APO A1)	Immunoturbidimetric	As Found	As Found	As Found	As Found	mg/dL	As Found	As Found	As Found	As Found	As Found	As Found	g/L	
Apolipoprotein B (APO B)	Immunoturbidimetric	As Found	As Found	As Found	As Found	mg/dL	As Found	As Found	As Found	As Found	As Found	As Found	g/L	
Beta-2-Microglobulin (B2M)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	mg/L	
Ceruloplasmin	Immunoturbidimetric (CAER)	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Complement Component 3 (C3)	Immunoturbidimetric (C3c)	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Complement Component 4 (C4)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
C-Reactive Protein (CRP)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	mg/L	
Haptoglobin	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Immunoglobulin A (IgA)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Immunoglobulin E (IgE)	Immunoturbidimetric	**	**	**	**	IU/mL	**	**	**	**	**	**	kIU/L	
Immunoglobulin G (IgG)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Immunoglobulin M (IgM)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	
Prealbumin	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	mg/L	
Rheumatoid Factor (RF)**	Immunoturbidimetric	**	**	**	**	IU/mL	**	**	**	**	**	**	kIU/L	
Transferrin	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	**	g/L	



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ORTHO-VITROS SYSTEMS																
Albumin	BCG	1.98	1.58 - 2.38	4.14	3.31 - 4.97	5.17	4.14 - >6.00	g/dL	19.8	15.8 - 23.8	41.4	33.1 - 49.7	51.7	41.4 - >60.0	g/L	
Albumin	Immunoturbidimetric (DiAgam)	2.67	2.14 - 3.21	5.12	4.09 - 6.14	7.94	6.35 - 9.53	g/dL	26.7	21.4 - 32.1	51.2	40.9 - 61.4	79.4	63.5 - 95.3	g/L	
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric (DiAgam) (AGP)	56.2	45.0 - 67.4	108	86.2 - 129	159	127 - 191	mg/dL	0.56	0.45 - 0.67	1.08	0.86 - 1.29	1.59	1.27 - 1.91	g/L	
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L	
Alpha-2-Macroglobulin	Immunoturbidimetric (DiAgam)	117	93.8 - 141	211	169 - 253	304	243 - 365	mg/dL	1.17	0.94 - 1.41	2.11	1.69 - 2.53	3.04	2.43 - 3.65	g/L	
Antistreptolysin O (ASO)	Immunoturbidimetric	**		**		**		IU/mL	**		**		**		kIU/L	
Apolipoprotein A1 (APO A1)	Immunoturbidimetric	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L	
Apolipoprotein B (APO B)	Immunoturbidimetric	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L	
Complement Component 3 (C3)	Chemiluminescence	**		**		**		mg/dL	**		**		**		g/L	
Complement Component 4 (C4)	Chemiluminescence	**		**		**		mg/dL	**		**		**		g/L	
C-Reactive Protein (CRP)	EIA	0.83	0.59 - 1.07	3.56	2.85 - 4.27	3.93	3.14 - 4.72	mg/dL	8.30	5.90 - 10.7	35.6	28.5 - 42.7	39.3	31.4 - 47.2	mg/L	
C-Reactive Protein (CRP)	Immunoturbidimetric (SM) (Sentinel)	**		**		**		mg/dL	**		**		**		mg/L	
C-Reactive Protein (CRP)	Immunoturbidimetric (DiAgam)	0.94	0.75 - 1.12	4.01	3.21 - 4.81	6.65	5.32 - 7.98	mg/dL	9.40	7.50 - 11.2	40.1	32.1 - 48.1	66.5	53.2 - 79.8	mg/L	
Ferritin****	As Found	**		**		**		ng/mL	**		**		**		µg/L	
Haptoglobin	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L	
Haptoglobin	Immunoturbidimetric (DiAgam)	85.8	68.6 - 103	173	138 - 208	261	209 - 313	mg/dL	0.86	0.69 - 1.03	1.73	1.38 - 2.08	2.61	2.09 - 3.13	g/L	
Immunoglobulin A (IgA)	Immunoturbidimetric	112	89.6 - 134	243	194 - 291	370	296 - 444	mg/dL	1.12	0.90 - 1.34	2.43	1.94 - 2.91	3.70	2.96 - 4.44	g/L	
Immunoglobulin G (IgG)	Immunoturbidimetric	1283	1027 - 1540	2516	2013 - >2700	>2700		mg/dL	12.8	10.3 - 15.4	25.2	20.1 - >27.0	>27.0		g/L	
Immunoglobulin M (IgM)	Immunoturbidimetric	36.1	28.9 - 43.3	78.0	62.4 - 93.6	120	96.1 - 144	mg/dL	0.36	0.29 - 0.43	0.78	0.62 - 0.94	1.20	0.96 - 1.44	g/L	
Prealbumin	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		mg/L	
Rheumatoid Factor (RF)***	Two-Point Rate	**		**		**		IU/mL	**		**		**		kIU/L	
Total Protein	Biuret	4.17	3.34 - 5.00	7.56	6.05 - 9.07	9.91	7.93 - >11.0	g/dL	41.7	33.4 - 50.0	75.6	60.5 - 90.7	99.1	79.3 - >110	g/L	
Transferrin	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L	



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ROCHE COBAS C / E / MODULAR SYSTEMS															
Albumin	BCG (ALB2)	2.36	1.89 - 2.83	4.76	3.81 - 5.71	>6.00	g/dL	23.6	18.9 - 28.3	47.6	38.1 - 57.1	>60.0	g/L		
Albumin	BCP (ALBP)	**		**		**	g/dL	**		**		**	g/L		
Albumin	Immunoturbidimetric (ALBT2)	**		**		**	g/dL	**		**		**	g/L		
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric (AAGP2)	**		**		**	mg/dL	**		**		**	g/L		
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric (AAT2)	**		**		**	mg/dL	**		**		**	g/L		
Antistreptolysin O (ASO)	Immunoturbidimetric (ASLOT)	**		**		**	IU/mL	**		**		**	kIU/L		
Apolipoprotein A1 (APO A1)	Immunoturbidimetric	As Found		As Found		As Found	mg/dL	As Found		As Found		As Found	g/L		
Apolipoprotein B (APO B)	Immunoturbidimetric	As Found		As Found		As Found	mg/dL	As Found		As Found		As Found	g/L		
Beta-2-Microglobulin (B2M)	Immunoturbidimetric (B2MG)	**		**		**	mg/dL	**		**		**	mg/L		
Ceruloplasmin	Immunoturbidimetric (CERU)	**		**		**	mg/dL	**		**		**	g/L		
Complement Component 3 (C3)	Immunoturbidimetric (C3C-2)	**		**		**	mg/dL	**		**		**	g/L		
Complement Component 4 (C4)	Immunoturbidimetric (C4-2)	**		**		**	mg/dL	**		**		**	g/L		
C-Reactive Protein (CRP)	Immunoturbidimetric (CRP4)	0.82	0.66 - 0.98	4.13	3.30 - 4.96	7.40	5.92 - 8.88	mg/dL	8.20	6.60 - 9.80	41.3	33.0 - 49.6	74.0	59.2 - 88.8	mg/L
C-Reactive Protein (CRP)	Immunoturbidimetric (CRPL3)	**		**		**	mg/dL	**		**		**	mg/L		
C-Reactive Protein (CRP)	Immunoturbidimetric (CRPLX)	**		**		**	mg/dL	**		**		**	mg/L		
Ferritin****	ECLIA	As Found		As Found		As Found	ng/mL	As Found		As Found		As Found	µg/L		
Ferritin****	Immunoturbidimetric (FERR4)	As Found		As Found		As Found	ng/mL	As Found		As Found		As Found	µg/L		
Haptoglobin	Immunoturbidimetric (HAPT2)	**		**		**	mg/dL	**		**		**	g/L		
Immunoglobulin A (IgA)	Immunoturbidimetric (IGA-2)	**		**		**	mg/dL	**		**		**	g/L		
Immunoglobulin E (IgE)	ECLIA (IgE II)	**		**		**	IU/mL	**		**		**	kIU/L		
Immunoglobulin G (IgG)	Immunoturbidimetric (IGG-2)	**		**		**	mg/dL	**		**		**	g/L		
Immunoglobulin M (IgM)	Immunoturbidimetric (IGM-2)	**		**		**	mg/dL	**		**		**	g/L		
Kappa Light Chain	Immunoturbidimetric (KAPP2)	**		**		**	mg/dL	**		**		**	g/L		
Lambda Light Chain	Immunoturbidimetric (LAMB2)	**		**		**	mg/dL	**		**		**	g/L		
Prealbumin	Immunoturbidimetric (PREA)	**		**		**	mg/dL	**		**		**	mg/L		
Rheumatoid Factor (RF)***	Immunoturbidimetric (RF-II)	28.9	23.1 - 34.7	59.9	47.9 - 71.8	81.5	65.2 - 97.8	IU/mL	28.9	23.1 - 34.7	59.9	47.9 - 71.8	81.5	65.2 - 97.8	kIU/L
Total Protein	Colorimetric (TP2)	4.85	3.88 - 5.82	9.12	7.30 - 10.9	>12.0	g/dL	48.5	38.8 - 58.2	91.2	73.0 - 109	>120	g/L		
Transferrin	Immunoturbidimetric (TRSF2)	**		**		**	mg/dL	**		**		**	g/L		



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ROCHE HITACHI / MODULAR D & P SYSTEMS													
Albumin	BCG	**	**	**	**	**	**	**	**	**	**	**	g/dL
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Beta-2-Microglobulin (B2M)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/L
Ceruloplasmin	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 3 (C3)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Complement Component 4 (C4)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein (CRP)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
C-Reactive Protein, High Sensitivity (hsCRP)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/dL
Ferritin****	Tina-Quant (FERR4)	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	As Found	µg/L
Haptoglobin	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L
Immunoglobulin A (IgA)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L
Immunoglobulin G (IgG)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L
Immunoglobulin M (IgM)	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L
Kappa Light Chain	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L
Lambda Light Chain	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L
Prealbumin	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	mg/L
Rheumatoid Factor (RF)***	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	IU/mL
Total Protein	Biuret	**	**	**	**	**	**	**	**	**	**	**	g/L
Transferrin	Immunoturbidimetric	**	**	**	**	**	**	**	**	**	**	**	g/L

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ROCHE INTEGRA SYSTEMS													
Albumin	BCG	**	**	**	**	g/dL	**	**	**	**	**	g/L	
Albumin	Immunoturbidimetric	**	**	**	**	g/dL	**	**	**	**	**	g/L	
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Antistreptolysin O (ASO)	Immunoturbidimetric	**	**	**	**	IU/mL	**	**	**	**	**	kiU/L	
Ceruloplasmin	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Complement Component 3 (C3)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Complement Component 4 (C4)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
C-Reactive Protein (CRP)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	mg/L	
Ferritin****	Immunoturbidimetric	**	As Found	**	As Found	mg/dL	**	**	**	**	**	mg/L	
Haptoglobin	Immunoturbidimetric	**	As Found	**	As Found	ng/mL	**	As Found	**	As Found	**	µg/L	
Immunoglobulin A (IgA)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Immunoglobulin G (IgG)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Immunoglobulin M (IgM)	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Prealbumin	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	g/L	
Rheumatoid Factor (RF)***	Immunoturbidimetric	**	**	**	**	mg/dL	**	**	**	**	**	mg/L	
Total Protein	Biuret	**	**	**	**	IU/mL	**	**	**	**	**	kiU/L	
Transferrin	Immunoturbidimetric	**	**	**	**	g/dL	**	**	**	**	**	g/L	
		**	**	**	**	mg/dL	**	**	**	**	**	g/L	



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SIEMENS ADVIA SYSTEMS															
Albumin	BCG	2.33	1.86 - 2.80	4.88	3.90 - 5.86	>6.00	g/dL	23.3	18.6 - 28.0	48.8	39.0 - 58.6	>60.0	g/L		
Albumin	BCP (ALBP)	**		**		**	g/dL	**		**		**	g/L		
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric	**		**		**	mg/dL	**		**		**	g/L		
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric	72.2	57.7 - 86.6	164	131 - 197	238	191 - 286	mg/dL	0.72	0.58 - 0.87	1.64	1.31 - 1.97	2.38	1.91 - 2.86	g/L
Antistreptolysin O (ASO)	Immunoturbidimetric (ASO_2)	169	136 - 203	368	294 - 441	568	454 - 682	IU/mL	169	136 - 203	368	294 - 441	568	454 - 682	kIU/L
Apolipoprotein A1 (APO A1)	Immunoturbidimetric	As Found		As Found		As Found	mg/dL	As Found		As Found		As Found	g/L		
Apolipoprotein B (APO B)	Immunoturbidimetric	As Found		As Found		As Found	mg/dL	As Found		As Found		As Found	g/L		
Beta-2-Microglobulin (B2M)	Latex Particle	0.34	0.27 - 0.41	0.79	0.63 - 0.95	1.27	1.02 - 1.52	mg/dL	3.40	2.70 - 4.10	7.90	6.30 - 9.50	12.7	10.2 - 15.2	mg/L
Complement Component 3 (C3)	Immunoturbidimetric	**		**		**	mg/dL	**		**		**	g/L		
Complement Component 4 (C4)	Immunoturbidimetric	**		**		**	mg/dL	**		**		**	g/L		
C-Reactive Protein (CRP)	Immunoturbidimetric (CRP_2)	**		**		**	mg/dL	**		**		**	mg/L		
C-Reactive Protein, High Sensitivity (hsCRP)	Immunoturbidimetric	**		**		**	mg/dL	**		**		**	mg/L		
C-Reactive Protein, Wide Range (wrCRP)	Immunoturbidimetric	0.99	0.79 - 1.19	4.00	3.20 - 4.80	7.36	5.89 - 8.83	mg/dL	9.90	7.90 - 11.9	40.0	32.0 - 48.0	73.6	58.9 - 88.3	mg/L
Ferritin****	Immunoturbidimetric (FRT)	As Found		As Found		As Found	ng/mL	As Found		As Found		As Found	µg/L		
Ferritin****	Chemiluminescence (FER)	As Found		As Found		As Found	ng/mL	As Found		As Found		As Found	µg/L		
Haptoglobin	Immunoturbidimetric (HAPT)	78.5	62.8 - 94.2	160	128 - 192	243	194 - 291	mg/dL	0.79	0.63 - 0.94	1.60	1.28 - 1.92	2.43	1.94 - 2.91	g/L
Immunoglobulin A (IgA)	Immunoturbidimetric (IGA_2)	115	91.6 - 137	240	192 - 288	363	291 - 436	mg/dL	1.15	0.92 - 1.37	2.40	1.92 - 2.88	3.63	2.91 - 4.36	g/L
Immunoglobulin G (IgG)	Immunoturbidimetric (IGG_2)	1340	1072 - 1608	2739	2182 - 3296	3817	3054 - >4100	mg/dL	13.4	10.7 - 16.1	27.4	21.8 - 33.0	38.2	30.5 - >41.0	g/L
Immunoglobulin M (IgM)	Immunoturbidimetric (IGM_2)	35.1	28.1 - 42.1	86.6	69.3 - 104	139	111 - 167	mg/dL	0.35	0.28 - 0.42	0.87	0.69 - 1.04	1.39	1.11 - 1.67	g/L
Prealbumin	Immunoturbidimetric (PREALB)	**		**		**	mg/dL	**		**		**	mg/L		
Rheumatoid Factor (RF)***	Immunoturbidimetric	31.3	25.1 - 37.6	70.6	56.5 - 84.8	>110	IU/mL	31.3	25.1 - 37.6	70.6	56.5 - 84.8	>110	kIU/L		
Total Protein	Biuret	4.79	3.83 - 5.75	9.18	7.34 - 11.0	>12.0	g/dL	47.9	38.3 - 57.5	91.8	73.4 - 110	>120	g/L		
Transferrin	Immunoturbidimetric (TRF)	155	124 - 186	313	250 - 376	478	382 - >550	mg/dL	1.55	1.24 - 1.86	3.13	2.50 - 3.76	4.78	3.82 - >5.50	g/L



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SIEMENS ATELICA SYSTEMS															
Albumin	BCG (Alb)	2.48	1.98 - 2.98	4.97	3.98 - 5.96	>6.00		g/dL	24.8	19.8 - 29.8	49.7	39.8 - 59.6	>60.0		g/L
Albumin	BCP (AlbP)	2.21	1.77 - 2.65	4.67	3.74 - 5.60	7.11	5.69 - >8.00	g/dL	22.1	17.7 - 26.5	46.7	37.4 - 56.0	71.1	56.9 - >80.0	g/L
Alpha-1-Acid Glycoprotein (AAG)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
Alpha-1-Antitrypsin (AAT)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
Antistreptolysin O (ASO)	Immunoturbidimetric (ASO_2)	171	137 - 205	361	289 - 433	555	444 - 666	IU/mL	171	137 - 205	361	289 - 433	555	444 - 666	kIU/L
Beta-2-Microglobulin (B2M)	Latex-enhanced Immunoturbidimetric	0.28	0.22 - 0.34	0.65	0.52 - 0.78	1.05	0.84 - 1.26	mg/dL	2.80	2.20 - 3.40	6.50	5.20 - 7.80	10.5	8.40 - 12.6	mg/L
Complement Component 3 (C3)	Immunoturbidimetric	54.2	43.4 - 65.1	117	93.5 - 140	179	144 - 215	mg/dL	0.54	0.43 - 0.65	1.17	0.94 - 1.40	1.79	1.44 - 2.15	g/L
Complement Component 4 (C4)	Immunoturbidimetric	8.92	7.14 - 10.7	19.3	15.4 - 23.1	28.9	23.1 - 34.7	mg/dL	0.09	0.07 - 0.11	0.19	0.15 - 0.23	0.29	0.23 - 0.35	g/L
C-Reactive Protein (CRP)	Immunoturbidimetric (CRP_2)	0.93	0.74 - 1.12	4.15	3.32 - 4.98	7.04	5.63 - 8.45	mg/dL	9.30	7.40 - 11.2	41.5	33.2 - 49.8	70.4	56.3 - 84.5	mg/L
C-Reactive Protein, High Sensitivity (hsCRP)	Latex-enhanced Immunoturbidimetric	0.77	0.62 - 0.92	3.15	2.52 - 3.78	5.70	4.56 - 6.84	mg/dL	7.70	6.20 - 9.20	31.5	25.2 - 37.8	57.0	45.6 - 68.4	mg/L
C-Reactive Protein, Wide Range (wrCRP)	Immunoturbidimetric	1.00	0.80 - 1.20	3.94	3.15 - 4.73	7.12	5.70 - 8.54	mg/dL	10.0	8.00 - 12.0	39.4	31.5 - 47.3	71.2	57.0 - 85.4	mg/L
Ferritin****	Chemiluminescence (Fer)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Haptoglobin	PEG-enhanced Immunoturbidimetric (Hapt)	71.3	51.1 - 91.5	151	119 - 184	227	175 - 279	mg/dL	0.71	0.51 - 0.91	1.51	1.19 - 1.84	2.27	1.75 - 2.79	g/L
Immunoglobulin A (IgA)	PEG-enhanced Immunoturbidimetric (IgA_2)	116	93.0 - 140	242	194 - 290	361	289 - 434	mg/dL	1.16	0.93 - 1.40	2.42	1.94 - 2.90	3.61	2.89 - 4.34	g/L
Immunoglobulin G (IgG)	PEG-enhanced Immunoturbidimetric (IgG_2)	1336	1069 - 1603	2637	2110 - 3165	>3400		mg/dL	13.4	10.7 - 16.0	26.4	21.1 - 31.7	>34.0		g/L
Immunoglobulin M (IgM)	PEG-enhanced Immunoturbidimetric (IgM_2)	35.2	22.6 - 47.9	86.0	68.8 - 103	137	109 - 164	mg/dL	0.35	0.23 - 0.48	0.86	0.69 - 1.03	1.37	1.09 - 1.64	g/L
Prealbumin	Immunoturbidimetric (PreAlb)	**		**		**		mg/dL	**		**		**		mg/L
Rheumatoid Factor (RF)***	Latex-enhanced Immunoturbidimetric	30.9	24.7 - 37.1	70.4	56.3 - 84.5	>90.0		IU/mL	30.9	24.7 - 37.1	70.4	56.3 - 84.5	>90.0		kIU/L
Total Protein	Biuret	4.79	3.83 - 5.75	9.09	7.27 - 10.9	>12.0		g/dL	47.9	38.3 - 57.5	90.9	72.7 - 109	>120		g/L
Transferrin	PEG-enhanced Immunoturbidimetric (Trf)	153	123 - 184	313	251 - 376	>440		mg/dL	1.53	1.23 - 1.84	3.13	2.51 - 3.76	>4.40		g/L



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SIEMENS BNI / PROSPEC															
ADNase****	Nephelometric	141	113 - 169	280	224 - 336	435	348 - 522	IU/mL	141	113 - 169	280	224 - 336	435	348 - 522	kiU/L
Albumin	Nephelometric	**		**		**		g/dL	**		**		**		g/L
Alpha-1-Acid Glycoprotein (AAG)	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Alpha-1-Antitrypsin (AAT)	Nephelometric	87.1	69.6 - 104	181	145 - 217	284	227 - 341	mg/dL	0.87	0.70 - 1.04	1.81	1.45 - 2.17	2.84	2.27 - 3.41	g/L
Alpha-2-Macroglobulin	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Antistreptolysin O (ASO)	Nephelometric (ASL)	**		**		**		IU/mL	**		**		**		kiU/L
Antithrombin III	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
Beta-2-Microglobulin (B2M)	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
C1 Inhibitor****	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
Ceruloplasmin	Nephelometric	19.1	15.3 - 22.9	41.9	33.4 - 50.4	64.3	51.4 - 77.1	mg/dL	0.19	0.15 - 0.23	0.42	0.33 - 0.50	0.64	0.51 - 0.77	g/L
Complement Component 3 (C3)	Nephelometric	59.9	47.9 - 71.8	127	102 - 152	189	152 - 227	mg/dL	0.60	0.48 - 0.72	1.27	1.02 - 1.52	1.89	1.52 - 2.27	g/L
Complement Component 4 (C4)	Nephelometric	10.7	8.54 - 12.8	22.1	17.6 - 26.5	34.2	24.2 - 44.3	mg/dL	0.11	0.09 - 0.13	0.22	0.18 - 0.26	0.34	0.24 - 0.44	g/L
C-Reactive Protein (CRP)	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
Ferritin****	Nephelometric	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Haptoglobin	Nephelometric	75.4	60.3 - 90.4	166	133 - 199	249	179 - 319	mg/dL	0.75	0.60 - 0.90	1.66	1.33 - 1.99	2.49	1.79 - 3.19	g/L
Immunoglobulin A (IgA)	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin E (IgE)	Nephelometric	**		**		**		IU/mL	**		**		**		kiU/L
Immunoglobulin G (IgG)	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin G Subclass 1 (IgG1)****	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin G Subclass 2 (IgG2)****	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin G Subclass 3 (IgG3)****	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin G Subclass 4 (IgG4)****	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin M (IgM)	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Kappa Light Chain	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Kappa Light Chain, Free	Nephelometric	2.49	1.99 - 2.99	3.45	2.76 - 4.14	3.86	3.09 - 4.63	mg/dL	24.9	19.9 - 29.9	34.5	27.6 - 41.4	38.6	30.9 - 46.3	mg/L
Lambda Light Chain	Nephelometric	**		**		**		mg/dL	**		**		**		g/L
Lambda Light Chain, Free	Nephelometric	2.36	1.79 - 2.93	**		>6.00		mg/dL	23.6	17.9 - 29.3	**		>60.0		mg/L
Prealbumin	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
Retinol Binding Protein****	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
Rheumatoid Factor (RF)***	Nephelometric (Lyo Reagent)	**		**		**		IU/mL	**		**		**		kiU/L
Rheumatoid Factor (RF)***	Nephelometric (Liquid Reagent)	**		**		**		IU/mL	**		**		**		kiU/L
Serum Amyloid A (SAA)****	Nephelometric	**		**		**		mg/dL	**		**		**		mg/L
Total Protein	Nephelometric (TPS)	**		**		**		g/dL	**		**		**		g/L
Transferrin	Nephelometric	**		**		**		mg/dL	**		**		**		g/L



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	CON							SI							
	IM23101A		IM23102A		IM23103A		U	IM23101A		IM23102A		IM23103A		U	
	\bar{x}	<R>	\bar{x}	<R>	\bar{x}	<R>		\bar{x}	<R>	\bar{x}	<R>	\bar{x}	<R>		
SIEMENS DIMENSION SYSTEMS															
Albumin	BCP	2.30	1.84 - 2.76	4.84	3.87 - 5.81	7.32	5.86 - >8.00	g/dL	23.0	18.4 - 27.6	48.4	38.7 - 58.1	73.2	58.6 - >80.0	g/L
Antistreptolysin O (ASO)	Latex Immunoturbidimetric (Sentinel)	**		**		**		IU/mL	**		**		**		kIU/L
Apolipoprotein A1 (APO A1)	Sentinel	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L
Apolipoprotein B (APO B)	Sentinel	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L
Complement Component 3 (C3)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
Complement Component 4 (C4)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
C-Reactive Protein (CRP)	PETIA	**		**		**		mg/dL	**		**		**		mg/L
C-Reactive Protein, Wide Range (wrCRP)	PETIA (RCRP)	0.96	0.77 - 1.15	4.26	3.41 - 5.11	7.52	6.02 - 9.02	mg/dL	9.60	7.70 - 11.5	42.6	34.1 - 51.1	75.2	60.2 - 90.2	mg/L
Ferritin****	EIA (FERR)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L
Haptoglobin	Immunoturbidimetric (Sentinel)	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin A (IgA)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin G (IgG)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
Immunoglobulin M (IgM)	Immunoturbidimetric	**		**		**		mg/dL	**		**		**		g/L
Prealbumin	PETIA (PALB)	**		**		**		mg/dL	**		**		**		mg/L
Rheumatoid Factor (RF)***	Latex Immunoturbidimetric (Sentinel)	**		**		**		IU/mL	**		**		**		kIU/L
Total Protein	Biuret	5.29	4.23 - 6.35	9.93	7.94 - 11.9	>12.0		g/dL	52.9	42.3 - 63.5	99.3	79.4 - 119	>120		g/L
Transferrin	Turbidimetric (TRNF)	**		**		**		mg/dL	**		**		**		g/L



MAS[®] Immunology

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IVD

U	CON								SI							
	IM23101A		IM23102A		IM23103A		U	IM23101A		IM23102A		IM23103A		U		
	\bar{x}	<R>	\bar{x}	<R>	\bar{x}	<R>		\bar{x}	<R>	\bar{x}	<R>	\bar{x}	<R>			
SIEMENS DIMENSION VISTA SYSTEMS																
Albumin	BCP	2.29	1.83 - 2.75	4.73	3.78 - 5.68	7.19	5.75 - >8.00	g/dL	22.9	18.3 - 27.5	47.3	37.8 - 56.8	71.9	57.5 - >80.0	g/L	
Albumin	Nephelometric (sALB)	**		**		**		mg/dL	**		**		**		mg/L	
Alpha-1-Acid Glycoprotein (AAG)	Nephelometric (A1AG)	**		**		**		mg/dL	**		**		**		g/L	
Alpha-1-Antitrypsin (AAT)	Nephelometric (A1AT)	**		**		**		mg/dL	**		**		**		g/L	
Antistreptolysin O (ASO)	Nephelometric (ASL)	176	141 - 211	333	267 - 400	514	411 - 617	IU/mL	176	141 - 211	333	267 - 400	514	411 - 617	kIU/L	
Apolipoprotein A1 (APO A1)	Nephelometric	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L	
Apolipoprotein B (APO B)	Nephelometric	As Found		As Found		As Found		mg/dL	As Found		As Found		As Found		g/L	
Beta-2-Microglobulin (B2M)	Nephelometric (B2MIC)	**		**		**		mg/dL	**		**		**		mg/L	
Ceruloplasmin	Nephelometric (CER)	**		**		**		mg/dL	**		**		**		g/L	
Complement Component 3 (C3)	Nephelometric	58.8	47.0 - 70.6	119	95.2 - 143	182	145 - 218	mg/dL	0.59	0.47 - 0.71	1.19	0.95 - 1.43	1.82	1.45 - 2.18	g/L	
Complement Component 4 (C4)	Nephelometric	11.2	8.94 - 13.4	21.8	17.4 - 26.1	32.2	25.8 - 38.7	mg/dL	0.11	0.09 - 0.13	0.22	0.17 - 0.26	0.32	0.26 - 0.39	g/L	
C-Reactive Protein (CRP)	Nephelometric	0.81	0.65 - 0.97	3.84	3.07 - 4.61	7.05	5.64 - 8.46	mg/dL	8.10	6.50 - 9.70	38.4	30.7 - 46.1	70.5	56.4 - 84.6	mg/L	
Ferritin****	LOCI™ (FERR)	As Found		As Found		As Found		ng/mL	As Found		As Found		As Found		µg/L	
Haptoglobin	Nephelometric (HAPT)	77.1	61.7 - 92.5	157	126 - 189	242	193 - 290	mg/dL	0.77	0.62 - 0.93	1.57	1.26 - 1.89	2.42	1.93 - 2.90	g/L	
Immunoglobulin A (IgA)	Nephelometric	121	96.6 - 145	259	207 - 311	415	332 - 498	mg/dL	1.21	0.97 - 1.45	2.59	2.07 - 3.11	4.15	3.32 - 4.98	g/L	
Immunoglobulin E (IgE)	Nephelometric	**		**		**		IU/mL	**		**		**		kIU/L	
Immunoglobulin G (IgG)	Nephelometric	1408	1126 - 1689	2603	2082 - 3123	3884	3107 - >4000	mg/dL	14.1	11.3 - 16.9	26.0	20.8 - 31.2	38.8	31.1 - >40.0	g/L	
Immunoglobulin G Subclass 1 (IgG1)****	Nephelometric (IGG1)	**		**		**		mg/dL	**		**		**		g/L	
Immunoglobulin G Subclass 2 (IgG2)****	Nephelometric (IGG2)	**		**		**		mg/dL	**		**		**		g/L	
Immunoglobulin G Subclass 3 (IgG3)****	Nephelometric (IGG3)	**		**		**		mg/dL	**		**		**		g/L	
Immunoglobulin G Subclass 4 (IgG4)****	Nephelometric (IGG4)	**		**		**		mg/dL	**		**		**		g/L	
Immunoglobulin M (IgM)	Nephelometric	43.3	34.6 - 51.9	93.0	74.4 - 112	141	113 - 170	mg/dL	0.43	0.35 - 0.52	0.93	0.74 - 1.12	1.41	1.13 - 1.70	g/L	
Prealbumin	Nephelometric (PREALB)	14.8	10.8 - 18.8	34.4	23.7 - 45.2	49.9	35.2 - >60.0	mg/dL	148	108 - 188	344	237 - 452	499	352 - >600	mg/L	
Rheumatoid Factor (RF)***	Nephelometric	23.3	17.2 - 29.5	45.5	35.7 - 55.3	63.3	50.6 - 75.9	IU/mL	23.3	17.2 - 29.5	45.5	35.7 - 55.3	63.3	50.6 - 75.9	kIU/L	
Total Protein	Biuret	5.20	4.16 - 6.24	9.72	7.78 - 11.7	>12.0		g/dL	52.0	41.6 - 62.4	97.2	77.8 - 117	>120		g/L	
Transferrin	Nephelometric (TRF)	153	122 - 183	319	255 - 383	485	388 - >560	mg/dL	1.53	1.22 - 1.83	3.19	2.55 - 3.83	4.85	3.88 - >5.60	g/L	

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Architect®, **Aeroset®**, Reg. TM: Abbott Diagnostics, Abbott Park, IL
Beckman Coulter AU Series®, **Access®**, **Immage®**, **Synchron/DxC series®**, Reg. TM: Beckman Coulter, Brea, CA
BN II, **BN ProSpec®**: Siemens Healthcare Diagnostics, GmbH, Marburg Germany
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- ** Geen gegevens beschikbaar. Als u geïnteresseerd bent in deelname aan ons waardetoekeningsproces, kunt u uw contactgegevens per fax of e-mail naar onze Value Assignment-groep sturen. Tel.: 510-771-1539. E-mail: mgc-va@thermofisher.com.
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- ** Dados não disponíveis. Se pretender participar no nosso processo de atribuição de valores, envie as suas informações de contacto para o nosso grupo de atribuição de valores por fax, através do número 510-771-1539, ou por e-mail, para o endereço mgc-va@thermofisher.com.
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- *** **Rheumatoid Factor may decrease over the product shelf life.**
- *** Der Rheumafaktor kann sich während des Haltbarkeitszeitraums des Produkts verringern.
- *** Les taux de facteurs rhumatoïdes sont susceptibles de diminuer au cours de la durée de vie du produit.
- *** I valori del fattore reumatoide potrebbero diminuire durante la durata di conservazione del prodotto.
- *** El factor reumatoideo puede disminuir a lo largo de la vida útil del producto.
- *** Rheumafaktoren kan reduceres hen over produktets holdbarhetstid.
- *** Reumafaktor kan afnemen gedurende de houdbaarheidsperiode van het product.
- *** Reumatekijä voi vähentyä tuotteen säilytysaikana.
- *** Ο ρευματοειδής παράγοντας ενδέχεται να μειωθεί κατά τη διάρκεια της ζωής του προϊόντος.
- *** Revmatoidfaktor kan reduceres i løpet av produktets holdbarhetstid.
- *** Stężenie czynnika reumatoidalnego może się obniżyć w miarę upływu okresu przydatności produktu do użycia.
- *** O fator reumatóide poderá diminuir após a data de validade do produto.
- *** Уровень ревматоидного фактора может уменьшаться в течение срока годности продукта.
- *** Värdet för reumatoid faktor kan minska ju närmre utgångsdatum produkten befinner sig.
- *** Romatoid Faktörü, ürünün raf ömrü süresince azalabilir.
- *** 类风湿因子在产品有效期内可能会降低。
- *** リウマチ因子は、製品の有効期間にわたって、徐々に下する可能性があります。

- **** **No stability claim is made.**
- **** Es wird kein Anspruch hinsichtlich der Stabilität zugesichert.
- **** Il n'existe aucune déclaration en matière de stabilité.
- **** Non viene fornita alcuna garanzia per la stabilità.
- **** No se garantiza la estabilidad.
- **** Der er ingen angivelse af stabilitet.
- **** Stabiltiet wordt niet gegarandeerd.
- **** Stabiiliusvääitettä ei esitetä.
- **** Δεν πραγματοποιείται καμία αξίωση σταθερότητας.
- **** Det gis ingen garantier knyttet til stabilitet.
- **** Stablnosc nie jest deklarowana.
- **** Não são feitas declarações quanto à estabilidade.
- **** Не делается никаких заявлений о стабильности.
- **** Vi gör inga anspråk angående stabiliteten.
- **** Hiçbir stabilite önermesinde bulunulmamıştır.
- **** 未提及稳定性。
- **** 安定性に関する保証はありません。

LOT

Lot Number / Chargennummer / Numéro de lot / Numero di lotto / Número de lote / Partinummer / Partijnummer / Eränumero / Αριθμός παρτίδας / Lotnummer / Numer partii / Número de lote / Номер лота / Partinummer / Lot Numarası / 批号 / ロット番号

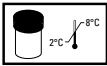


“Use By” date / Verwendbar bis / Date limite d'utilisation optimale / “Utilizzare entro” / Fecha límite de uso / “Anvendes før”-dato / Houdbaarheidsdatum / “Käyt. viim.”-päivämäärä / Ημερομηνία λήξης / Utløpsdato / Termin przydatności / Data de validade / Дата «Использовать до» / Utgångsdatum / “Son Kullanim” tarihi / 此日期前使用 / 使用期限

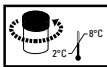
Refrigerated Temperature Limitation / Kühltemperaturbegrenzung / Limite de température de réfrigération / Limite di temperatura di refrigerazione / Limitación de la temperatura de refrigeración / Temperaturbegrensning – nedkølet / Veperking in gekoelde toestand / Jääkaappilämpötilan rajat / Περιορισμός θερμοκρασίας ψύξης / Kjøletemperaturbegrensning / Ograniczenie temperatury chłodzenia / Limitação de Temperatura Refrigerada / Ограничение температуры заморозки / Kylvtemperaturbegrensning / Soğutulmuş Sicaklık Sınırlanması / 冷藏温度限制 / 冷藏温度限界



Unopened Vial Stability: Refrigerated Temperature / Haltbarkeit des ungeöffneten Fläschchens: Kühltemperatur / Stabilité du flacon non ouvert : température de réfrigération / Stabilità provetta non aperta: a temperatura refrigerata / Estabilidad del vial sin abrir: temperatura refrigerada / Stabilitet i uåbnet hætteglas: Nedkølet / Stabilitet van ongeopend flesje: in gekoelde toestand / Avaamattoman ampullin stabiilius: jääkaappilämpötilassa / Σταθερότητα σφραγισμένου φιαλιδίου: θερμοκρασία ψύξης / Stabilitet i uåpnet tilstand: Kjøletemperatur / Stabilność odczynników w nieotwartej fiolce: temperatura chłodzenia / Estabilidade no frasco fechado: Temperatura refrigerada / Стабильность не вскрытого флакона: температура охлаждения / Hållbarhet vid öppnad flaska: kyld temperatur / Açılmamış Flakon Stabilitesi: Soğutulmuş Sicaklık / 未开封药瓶稳定性: 冷藏温度 / 未开封のバイアル安定性: 冷蔵温度



Opened Vial Stability: Refrigerated Temperature / Haltbarkeit des geöffneten Fläschchens: Kühltemperatur / Stabilité du flacon ouvert : température de réfrigération / Stabilità provetta aperta: a temperatura refrigerata / Estabilidad del vial abierto: temperatura refrigerada / Stabilitet i åbnet hætteglas: Nedkølet / Stabilitet van geopend flesje: in gekoelde toestand / Avatun ampullin stabiilius: jääkaappilämpötilassa / Σταθερότητα ανοιχμένου φιαλιδίου: θερμοκρασία ψύξης / Stabilitet i åpnet tilstand: Kjøletemperatur / Stabilność odczynników w otwartej fiolce: temperatura chłodzenia / Estabilidade no frasco aberto: Temperatura refrigerada / Стабильность вскрытого флакона: температура охлаждения / Hållbarhet vid öppnad flaska: kyld temperatur / Açılmamış Flakon Stabilitesi: Soğutulmuş Sicaklık / 已开封药瓶稳定性: 冷藏温度 / 开封後のバイアル安定性: 冷蔵温度

**REF**

Catalog Number / Katalognummer / Catalogue N° / Numero di catalogo / Número de catálogo / Katalognummer / Katalognummer / Katalognummer / Tuotenumero / Αριθμός καταλόγου / Katalognummer / Numer katalogowy / Referência / Номер по каталогу / Katalognummer / Katalog Numarası / 目录编号 / カタログ番号



Manufacturer / Hersteller / Fabricant / Produttore / Fabricante / Producent / Fabrikant / Valmistaja / Κατασκευαστής / Produzent / Producent / Fabricante / Производител / Tillverkare / Üretici / 制造商 / 製造元



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IVD

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Biological risk / Biogefährdung / Matériel à risque biologique potentiel / Rischio biologico / Material potencialmente peligroso a nivel biológico / Biologisk risiko / Biologisch risico / Biologinen riski / Βιολογικός κίνδυνος / Biologisk risiko / Zagrożenie biologiczne / Risco biológico / Биологическая опасность / Biologisk risk / Biyolojik risk / 生物风险 / 生物学的リスク

CE

CE Marking of Conformity / CE-Konformitätszeichen / Marquage CE de conformité / Marchio di conformità CE / Marca de conformidad CE / CE-mærkning / CE-conformiteitsmerk / CE-merkintä / Σήμανση συμμόρφωσης CE / CE-samsvarsmerking / Oznakowanie zgodności CE / Marca de Conformidade CE / Маркировка соответствия стандартам CE / CE-försäkrän om överensstämmelse / CE Uyumluluk İfaret / CE 合格标志 / 適合の CE マーキング

X̄

Mean Value / Mittelwert / Valeur moyenne / Valore medio / Valor medio / Gennemsnitsværdi / Gemiddelde waarde / Keskiarvo / Μέση τιμή / Middelværdi / Wartość średnia / Valor médio / Среднее значение / Medelvärde / Ortalama Değer / 平均值 / 平均值

<R>

Expected Range / Erwarteter Bereich / Valeur attendue / Intervallo previsto / Intervallo previsto / Forventet område / Verwachte bereik / Odottettu vaihteluväli / Αναμενόμενο εύρος / Forventet område / Zakres wartości oczekiwanych / Intervallo esperado / Ожидаемый интервал / Förväntat intervall / Beklenen Aralık / 预期范围 / 予測範囲

U

Units / Einheiten / Unités / Unità / Unidades / Enheder / Eenheden / Yksiköt / Μονάδες / Enheter / Jednostki / Unidades / Единицы / Enheter / Birimler / 單位 / 單位

CON

Conventional Units / Konventionelle Einheiten / Unités conventionnelles / Unità convenzionali / Unidades convencionales / Konventionelle enheder / Conventionele eenheden / Perinteiset yksiköt / Συμβατικές μονάδες / Konvensjonelle enheter / Jednostki konwencjonalne / Unidades convencionais / Условные единицы / Konventionella enheter / Konvansiyonel Birimler / 常用單位 / 慣用單位

SI

System International Units / SI-Einheiten / Système international d'unités / Unità sistema internazionale / Unidades del sistema internacional / SI-systemet / System International-eeenheden / Kansainväiset yksiköt / Μονάδες διεθνούς συστήματος / SI-enheter / Jednostki w układzie SI / Unidades do Sistema Internacional / Единицы СИ / SI-enheter / Sistem Uluslararası Birimleri / 国际单位 / 國際單位系

U

Constituent and Method / Bestandteil und Methode / Composant et méthode / Componente e metodo / Componente y método / Bestanddel og metode / Bestanddeel en methode / Aineosa ja menetelmä / Συστατικό και μέθοδος / Konstituent og metode / Skladnik i metoda / Componentes e método / Komponent og metod / Innehåll och metod / Bileşen ve Yöntem / 成分和方法 / 成分および測定法

If you have any questions concerning this notification, in the USA please contact the Technical Support Department at 800-232-3342 or 510-979-5417. Outside the USA, please contact your local Subsidiary or Distributor.

Falls Sie Fragen zu dieser Benachrichtigung haben, wenden Sie sich in den USA an den technischen Kundendienst unter 800-232-3342 oder 510-979-5417. Außerhalb der USA wenden Sie sich bitte an die Vertriebsniederlassung in Ihrer Nähe oder an einen autorisierten Vertriebspartner.

Aux États-Unis, pour toute question concernant cet avis, contacter le Service d'assistance technique au 800-232-3342 ou au 510-979-5417. En dehors des États-Unis, contacter la filiale locale ou le distributeur local.

Per domanda relative a questa notifica e vi trovate negli Stati Uniti, rivolgersi al servizio di assistenza tecnica al numero verde 800-232-3342 o al numero 510-979-5417. Al di fuori degli Stati Uniti, rivolgersi alla filiale locale o al distributore.

Para cualquier consulta acerca de esta notificación, en EE.UU. póngase en contacto con el Departamento de Asistencia técnica en los números 800-232-3342 or 510-979-5417. Fuera de EE.UU., póngase en contacto con la subsidiaria o el distribuidor local.

Hvis du har nogle spørgsmål til denne meddelelse, kan du kontakte den tekniske supportafdeling på 800-232-3342 eller 510-979-5417, hvis du befinder dig i USA. Uden for USA kan du kontakte det lokale datterselskab eller distributøren.

Als u vragen hebt over deze kennisgeving, kunt u contact opnemen met de afdeling Technische ondersteuning op 800-232-3342 of 510-979-5417. Buiten de VS kunt u contact opnemen met de vestiging of distributeur in uw land.

Jos sinulla on kysyttävää tästä ilmoituksesta, ota Yhdysvalloissa yhteyttä tekniseen tukeen numeroon 800 232 3342 tai 510 979 5417. Ota Yhdysvaltojen ulkopuolella yhteyttä paikalliseen tytäryhtiöön tai jälleenmyyjään.

Για οποιοδήποτε ερωτήσεις αναφορικά με την παρούσα ειδοποίηση, εντός Η.Π.Α., επικοινωνήστε με το Τμήμα τεχνικής υποστήριξης στον αριθμό 800-232-3342 ή 510-979-5417. Εκτός Η.Π.Α., επικοινωνήστε με την τοπική σας θυγατρική ή τον τοπικό διανομέα.

Dersom du befinner deg i USA og har spørsmål knyttet til denne orienteringen, kontakt avdelingen for teknisk støtte på 800-232-3342 eller 510-979-5417. Dersom du befinner deg utenfor USA, kontakte din lokale forhandler eller distributør.

W razie jakichkolwiek pytań dotyczących tego powiadomienia, należy skontaktować się z działem wsparcia technicznego pod numerem 800-232-3342 lub 510-979-5417 (na obszarze Stanów Zjednoczonych). Poza obszarem Stanów Zjednoczonych należy skontaktować się z lokalnym oddziałem firmy lub dystrybutorem.

Se tiver quaisquer questões relativas a esta notificação, nos EUA por favor contacte o departamento de assistência técnica através do número 800-232-3342 ou 510-979-5417. Fora dos EUA, por favor contacte a filial da sua área ou o distribuidor local.

Если у вас есть вопросы относительно этого уведомления, в США обращайтесь в департамент технической поддержки по телефону 800-232-3342 или 510-979-5417. За пределами США обращайтесь в местную дочернюю компанию или к дистрибьютору.

Om du har några frågor om den här informationen och befinner dig i USA kan du kontakta vår avdelning för teknisk support på telefonnummer +1 800-232-3342 eller +1 510-979-5417. Utanför USA kan du kontakta ditt lokala avdelningskontor eller en distributör.

Bu bildirimde dair herhangi bir sorunuz varsa, ABD'de lütfen 800-232-3342 veya 510-979-5417 numaralı Teknik Destek Departmanı ile iletişim kurun. ABD'nin dışında, lütfen yerel Bayi veya Dağıtıcı ile iletişim kurun.

如果您有任何关于此通知的问题,在美国国内,请联系 800-232-3342 或 510-979-5417 技术支持部门。在美国以外地区,请联系您当地的分公司或经销商。

本通知に関するお問い合わせについては、米国内からはお電話にて (800-232-3342 または 510-979-5417) テクニカルサポート部門までお問い合わせください。米国外の場合は、地域の子会社または代理店までお問い合わせください。

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