



LABORATORY SERVICES IMPORTANT TEST ANNOUNCEMENT

Live Date: **4/20/2023**

The following assays are moving to new methodology as well as updating reference ranges:

Anti-Streptolysin O	(Test code: ASOA)	C3 Complement	(Test code: C3)
C4 Complement	(Test code: C4)	IgA Quantitative	(Test code: IGA)
IgG Quantitative	(Test code: IGG)	IgM Quantitative	(Test code: IGM)
Haptoglobin	(Test code: HAP)	Prealbumin	(Test code: PAB)
Transferrin	(Test code: TRNS)	Cystatin C	(Test code: CYSTC)

In addition:

- **Rheumatoid Factor** (Test code: **RF**) will be brought back in-house from ARUP
- **Ceruloplasmin** (Test code: **XCERU**) will now be sent out to ARUP, additional information regarding this test is also noted below.

Test Name: **Ceruloplasmin**

Test Code: **XCERU**

- **Collect:** Serum Separator Tube (SST). Also acceptable: Plasma collected in Green (Lithium Heparin)
- **Specimen Preparation:** Allows specimen to clot completely at room temperature. Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum or plasma to an ARUP Standard
- **Storage/Transport/Temperature:**
 - Frozen
- **Unacceptable Conditions:**
 - EDTA plasma or Hemolyzed specimens.
- **Stability:** After separation from cells:
 - Ambient: 8 days
 - **Refrigerated: 2 weeks**
 - **Frozen: 1 year**

Reference Range Cross Reference

		Old Reference Ranges			New Reference Ranges		
Test name	Test Code	Age	Reference Range	Units	Age	Reference Range	Units
Anti-Streptolysin O	ASOA	0-4 years	0 – 100	IU/mL	0 - <1 year	<25	IU/mL
		5-12 years	0 – 195		1 - <6 years	0-140	
		>13 years	0 – 90		≥6 years	0-527	
C3 Complement	C3	All	86 – 184	mg/dL	0 - <15 days	60-126	mg/dL
					15 days - <1 year	61-162	
					≥1 year	90-154	
C4 Complement	C4	All	16 – 59	mg/dL	0-<1 year	8-34	mg/dL
					1-<19 years	15-42	
					≥19 years	14-40	
IgA, Quantitative	IGA	0 – <1 month	0 – 11	mg/dL	0-<5 months	7-37	mg/dL
		1 – <4 months	6 – 55		5-<9 months	16-50	
		4 – <7 months	8 – 92		9-<15 months	27-66	
		7 months – <1 years	16 – 97		15-<24 months	36-79	
		1 – <2 years	19 – 118		2-<4 years	27-246	
		2 – <3 years	19 – 223		4-<7 years	29-256	
		3 – <6 years	54 – 150		7-<10 years	34-274	
		6 – <9 years	54 – 219		10-<13 years	42-295	
		9 – <12 years	64 – 206		13-<16 years	52-319	
		12 – <16 years	69 – 227		16-<18 years	60-337	
		≥16 years	60 – 327		≥18 years	61-356	
IgG, Quantitative	IGG	0m – <1m	619 – 1194	mg/dL	0-<5 months	100-334	mg/dL
		1m – <4m	261 – 731		5-<9 months	164-588	
		4m – <7m	198 – 1080		9-<15 months	246-904	
		7m – <1 years	268 – 1472		15-<24 months	313-1170	
		1 – <2 years	248 – 1337		2-<4 years	295-1156	
		2 – <3 years	402 – 1223		4-<7 years	386-1470	
		3 – <6 years	546 – 1533		7-<10 years	462-1682	
		6 – <9 years	537 – 1432		10-<13 years	503-1719	
		9 – <12 years	748 – 1398		13-<16 years	509-1580	
		12 – <16 years	697 – 1042		16-<18 years	487-1327	

		≥16 years	546 – 1842		≥18 years	767-1590	
IgM, Quantitative	IGM	0m – <1m	5 – 29	mg/dL	0-<5 months	26-122	mg/dL
		1m – <4m	15 – 64		5-<9 months	32-132	
		4m – <7m	10 – 64		9-<15 months	40-143	
		7m – <1yr	21 – 140		15-<24 months	46-152	
		1 – <2 years	13 – 108		2-<4 years	37-184	
		2 – <3 years	27 – 107		4-<7 years	37-224	
		3 – <6 years	21 – 95		7-<10 years	38-251	
		6 – <9 years	26 – 112		10-<13 years	41-255	
		9 – <12 years	33 – 125		13-<16 years	45-244	
		12 – <16 years	33 – 68		16-<18 years	49-201	
		≥16 years	45 – 140		≥18 years	37-286	
		Haptoglobin	HAP		All	33 – 171	
Prealbumin	PAB	0 – <1 year	6 – 32	mg/dL	0-18 years	12.0 - 32.0	mg/dL
		1 – <6 years	16 – 32				
		6 – <10 years	16 – 35		>18 years	19.0 - 38.0	mg/dL
		10 – <14 years	21 – 38				
		≥14 years	23 – 48				
Rheumatoid Factor	RF	All	0-14	IU/mL	All	0-12	IU/mL
		Previous send out to ARUP					
Transferrin	TRNS	All	171 – 302	mg/dL	0 - <9 weeks	116-242	mg/dL
					9 weeks - <1 year	119-347	
					1 - <19 years	238-360	
					≥19 years	206-381	
Cystatin C	CYSTC	0 – <4 months	0.9 – 2.8	mg/L	0d -3 months	0.9-2.8	mg/L
		4 – <1 year	0.8 – 1.8		4m-<1 years	0.8-1.8	
		1 – <18 years	0.5 – 1.6		1y-17 years	0.5-1.6	
		≥ 18 years	0.5 – 1.2		≥18 years	0.5-1.2	
Ceruloplasmin	XCERU	All	21 – 53	mg/dL	6 months-6 years	18-37	mg/dL
					7-17 years	20-43	
					18 years and older Male	15-30	
					18 years and older Female	16-45	
					New send out to ARUP		