

Guidelines for Specimen Collection and Labeling

Instrument: Alpha Wassermann ACE Alera

TEST (TEST CODE): Renal Function Panel (RFP)

(ALB, BUN, Ca, Cl, CO₂, CREAT, GLU, K, Na, PO4)

COLLECTION INSTRUCTIONS: Fasting is recommended but not required.

SPECIMEN TYPE: Whole Blood

COLLECTION CONTAINER: Gold top tube (SST), Red top tube (clot activator),

Green top tube with gel barrier (lithium heparin),

Green top tube (lithium heparin) or Red top

microtainer/bullet (no additive)



COLLECTION AMOUNTS: Preferred: 4.0 mL

Minimum: 2.0 mL

Pediatric: 1 full red top microtainer/bullet (no

additive)

REJECTION CRITERIA: Hemolyzed specimens are unacceptable.

COLLECTION TIMING: Separate serum from cells ASAP or within 2 hours

of collection.

PROCESSING SPECIMENS: Serum/Plasma

PROCESSED AMOUNTS: Preferred: 2.0 mL

Minimum: 1.0 mL

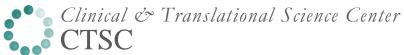
PROCESSING INSTRUCTIONS: Allow red top or SST to clot for 20-30 minutes.

CRITICAL: Centrifuge specimen to separate serum/plasma from cells within 2 hours of

collection. If using non-gel barrier tubes, aliquot 2.0 ml (min 1.0 ml) serum/plasma into transport tube.

Refrigerate.





ALTH SCIENCES CENTER		TSC	
SPECIMEN STORAGE/STABILITY:	Temperature		Stability
	Ambient		1 day(s)
	Refrigerated		3 day(s)
	Frozen		4 day(s)
SHIPPING INSTRUCTIONS:	Refrigerate specimen during transportation.		
REFERENCE INTERVAL:	ALB:		
	Female (0 - 1 years):		2.7-4.5 gm/dL
		(>1 years):	3.4-4.7 gm/dL
	Male	(0 - 1 years):	2.7-4.5 gm/dL
		(>1 years):	3.4-4.7 gm/dL
	BUN:		
	Female:		7 – 31 mg/dL
	Male:		7 – 31 mg/dL
	CA:		
	Femal	e (0-8 days):	7.6-11.3 mg/dL
		(>8 days):	8.4-10.4 mg/dL
	Male	(0-8 days):	7.6-11.3 mg/dL
		(>8 days):	8.4-10.4 mg/dL
	CL:		
	Female:		98-111 mmol/L
	Male:		98-111 mmol/L
	CO ₂ :		
	Female (0-19 years):		18-28 mmol/L
		(>19 years):	20-30 mmol/L
	Male	(0-19 years):	18-28 mmol/L
		(>19 years):	20-30 mmol/L
	CREAT	Γ:	

CREAT: Female (0-30 days): 0.70-1.20 mg/dL

(30 days-10 years): 0.20-0.80 mg/dL (10-13 years): 0.50-1.10 mg/dL (>13 years): 0.60-1.00 mg/dL

(0-30 days): 0.70-1.20 mg/dL (30 days-10 years): 0.20-0.80 mg/dL (10-13 years): 0.50-1.10 mg/dL (>13 years): 0.80-1.30 mg/dL

GLU:

Male

Female (0-30 days): 55-90 mg/dL

(30 days-16 years): 60-115 mg/dL (>16 years): 60-100 mg/dL



REFERENCE INTERVAL:



GLU:

Male (0-30 days): 0.70-1.2 mg/dL (30 days-10 years): 55-90 mg/dL (10-16 years): 60-115 mg/dL (>16 years): 60-100 mg/dL

K:

Female (0-7 days): 3.2-5.7 mmol/L (7-30 days): 3.4-6.5 mmol/L (30 days-3 months): 3.5-5.8 mmol/L (3 months-1 years): 3.5-5.8 mmol/L (1-19 years): 3.6-5.0 mmol/L (>19 years): 3.5-5.1 mmol/L Male (0-7 days): 3.2-5.7 mmol/L 3.4-6.5 mmol/L (7-30 days): (30 days-3 months): 3.5-5.8 mmol/L (3 months-1 years): 3.5-5.8 mmol/L (1-19 years): 3.6-5.0 mmol/L 3.5-5.1 mmol/L (>19 years):

NA:

Female (0-19 years): 131-142 mmol/L

(>19 years): 134-144 mmol/L Male (0-19 years): 131-142 mmol/L

(>19 years): 134-144 mmol/L

PO4:

Female (0-2 years): 2.8-6.9 mg/dL

(2-19 years): 2.6-6.3 mg/dL (>19 years): 2.3-5.6 mg/dL Male (0-2 years): 2.8-6.9 mg/dL (2-19 years): 2.6-6.3 mg/dL

(>19 years): 2.3-5.6 mg/dL