Test Definition: RTRPP

Tubular Reabsorption of Phosphorus, Random

Reporting Title: Tubular Phosp Reabsorption, Random
Performing Location: Rochester

Specimen Requirements:

Serum and urine are required.

Specimen Type: Serum
Collection Container/Tube: Red top or serum gel
Submission Container/Tube: Plastic vial
Specimen Volume: 0.5 mL
Collection Instructions:
1. Fasting.
2. Label specimen as serum.

Specimen Type: Urine
Container/Tube: Plastic, 6-mL tube (Supply T465)
Specimen Volume: 5 mL
Collection Instructions:
1. Collect a random urine specimen.
2. No preservative.
3. Label specimen as urine.

Specimen Type	Temperature	Time
Serum	Frozen (preferred)	7 days
	Refrigerated	7 days
Urine	Refrigerated (preferred)	
	Ambient	
	Frozen	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TRA	TRP	Numeric	%	In Process
GFRR	Random TmP/GFR	Numeric	mg/dL	In Process
CTUR	Creatinine Conc	Numeric	mg/dL	35674-1
PHOS	Phosphorus (Inorganic), S **Also used by tests: PHOS**	Numeric	mg/dL	2777-1

Result ID	Reporting Name	Type	Unit	LOINC®
CREA2	Creatinine, S	Numeric	mg/dL	2160-0

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
RTRP	Tubular Phosp Reabsorption, Random	1	84105	Yes	No
CTUR	Creatinine Conc			Yes	Yes (Order CTU)
PHOS	Phosphorus (Inorganic), S	1	84100	Yes	Yes
CREA2	Creatinine, S	1	82565	Yes	Yes (Order CREAZ)

Reference Values:

TUBULAR REABSORPTION OF PHOSPHORUS
>80%
(Although, tubular reabsorption of phosphorus levels must be interpreted in light of the prevailing plasma phosphorus and glomerular filtration rate.)

TUBULAR MAXIMUM PHOSPHORUS REABSORPTION/GLOMERULAR FILTRATION RATE (TmP/GFR)
2.6-4.4 mg/dL (0.80-1.35 mmol/L)

PHOSPHORUS (INORGANIC)
Males
1-4 years: 4.3-5.4 mg/dL
5-13 years: 3.7-5.4 mg/dL
14-15 years: 3.5-5.3 mg/dL
16-17 years: 3.1-4.7 mg/dL
> or =18 years: 2.5-4.5 mg/dL
Reference values have not been established for patients that are <12 months of age.
Females
1-7 years: 4.3-5.4 mg/dL
8-13 years: 4.0-5.2 mg/dL
14-15 years: 3.5-4.9 mg/dL
16-17 years: 3.1-4.7 mg/dL
> or =18 years: 2.5-4.5 mg/dL
Reference values have not been established for patients that are <12 months of age.

CREATININE
Males
12-24 months: 0.1-0.4 mg/dL
3-4 years: 0.1-0.5 mg/dL

5-9 years: 0.2-0.6 mg/dL
10-11 years: 0.3-0.7 mg/dL
12-13 years: 0.4-0.8 mg/dL
14-15 years: 0.5-0.9 mg/dL
> or =16 years: 0.8-1.3 mg/dL
Reference values have not been established for patients that are <12 months of age.
Females
12-36 months: 0.1-0.4 mg/dL
4-5 years: 0.2-0.5 mg/dL
6-8 years: 0.3-0.6 mg/dL
9-15 years: 0.4-0.7 mg/dL
> or =16 years: 0.6-1.1 mg/dL
Reference values have not been established for patients that are <12 months of age.