

Phosphoethanolamine, Quantitative, Random, Urine

Test ID: PETNU

Useful for:

To aid in the diagnosis of hypophosphatasia, especially in the setting of low alkaline phosphatase, bone fractures, and early tooth loss

Monitoring of affected individuals on therapy

Methods:

Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

This test is covered by patents held by Quest Diagnostics

Reference Values:

< or =12 months: 15-341 nmol/mg creatinine

13-35 months: 33-342 nmol/mg creatinine

3-6 years: 19-164 nmol/mg creatinine

7-8 years: 12-118 nmol/mg creatinine

9-17 years: <88 nmol/mg creatinine

> or =18 years: <48 nmol/mg creatinine

An interpretative report will be provided.

Specimen Requirements:

Supplies:	Urine Tubes, 10 mL (T068)
Container/Tube:	Clean plastic urine tube
Specimen Volume:	2 mL
Collection Instructions:	1. Collect a random urine specimen. 2. No preservative.
Minimum Volume:	1 mL

Necessary Information:

1. Patient's age is required.

2. Include family history, clinical condition (asymptomatic or acute episode), diet, and drug therapy information.

Specimen Stability Information:

Specimen Type	Temperature	Time
Urine	Frozen (preferred)	70 days
	Refrigerated	14 days

Cautions:

Phosphoethanolamine (PEA) can also be elevated in individuals with other bone diseases and asymptomatic carriers of *ALPL* variants, as well as in individuals with hypertension, liver disease, and celiac disease. Normal excretion of PEA does not rule out a diagnosis of hypophosphatasia, as affected individuals without elevations have been reported.

CPT Code:

82131

Day(s) Performed: Tuesday

Report Available: 3 to 9 days

Note:

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Phosphoethanolamine, Urine	ZW246	LAB6893	Children's Hospital Colorado

Questions

Contact Melissa Tricker-Klar, Laboratory Resource Coordinator at 800-533-1710.