Phosphorus (Urine) (UPO4)

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TEST OVERVIEW

Test Name Phosphorus (Urine)

Test Code UPO4 UPO4 **Short Description**

OVERVIEW

Test Name Phosphorus (Urine)

Test Code UPO4

Category Urine Biochemistry TAT Main Lab: 4 Hour(s) Family Site: <4hrs

Specimen(s) 1 x Urine - 10 mL 10 mL flask - Red - Urine Random HCL

SPECIMEN(S)

Urine Random HCL

Urine Random HCL Specimen Type

10 mL flask **Specimen Format**

Specimen Colour Red Specimen Volume 10 mL Sampling Order 0 Origin Urine Collection time after baseline

Transport Temperature 15-25°C

Accepted Other Specimens

TAT Main Lab: 4 Hour(s) Family Site: <4hrs

Test Stability Room Temp: 4 Day(s)

2-8°C: 7 Day(s)

CLINICAL INFORMATION

Phosphorus

Methodology Phosphomolybdate Complex

Specimen Type Urine Random HCL

Delay before pre-treatment -

Transport Temperature 15-25°C

Transport Stability at room temp 4 Day

Transport Stability at 2–8°C 7 Day

Haemolysis interference No

Clinical Interest

Phosphorus is mainly stored in the bones. It plays a crucial role in various biological processes, including energy production, bone mineralisation and maintaining the integrity of cell membranes.

The kidneys are responsible for maintaining a phosphorus balance by regulating its reabsorption and excretion. Phosphorus levels are closely regulated by the parathyroid hormone (PTH). In conditions such as hyperparathyroidism, PTH increases urinary phosphorus excretion, while in hypoparathyroidism, urinary phosphorus excretion may decrease.

Osteomalacia and rickets may be associated with a loss of phosphate in the urine, often due to defects in phosphate reabsorption.

Urinary phosphorus measurements are generally used in conjunction with serum calcium and phosphorus levels to assess overall mineral balance, particularly in patients with metabolic bone disease, hypercalcaemia or those undergoing dialysis. Disturbances in phosphocalcium balance can have an impact on the risk of cardiovascular disease, calcification and bone health.

PATIENT INFORMATION

Clinical Information Required

Patient Collection Notes -

COMMENTS & NOTES

LOINC Code 539-2, 13539-2

Outwork

No