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**Lab Dept:** Urine/Stool

**Test Name:** PHOSPHORUS, TIMED URINE

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***General Information***

**Lab Order Codes:** UPQ

**Synonyms:** PO4 Quantitative Urine, P, Urine; Phosphate, Urine; Phosphorus, 24 hour urine

**CPT Codes:** 84105 – Phosphorus inorganic (phosphate)  
81050 – Volume measurement for timed collection

**Test Includes:** Urine phosphorus concentrations in mg/dL and mg/collection

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***Logistics***

**Test Indications:** Useful in the follow-up of abnormal calcium values, kidney disease and uncontrolled diabetes.

**Lab Testing Sections:** Chemistry (Mpls campus only)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day

**Special Instructions:** Submit an entire 24-hour urine collection. No preservative. Refrigerate specimen during and after collection.

**Note:** Starting and ending times of collection are required for a timed urine collection and must be documented electronically or on the proper request form.

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***Specimen***

**Specimen Type:** Urine, timed collection

**Container:** Plastic leakproof container (No preservative). Urine GUARD® collection container is preferred for a timed urine sample.

**Draw Volume:** Submit an entire 24-hour urine collection

<b>Processed Volume:</b>	Minimum: 0.5 mL urine
<b>Collection:</b>	For timed urine collections, empty the bladder, discard the voided sample, and note the start time. Collect all urine voided for the specified time period. At the end of the period, note the finishing time, add the last voided sample to the container by emptying the bladder. Bring the refrigerated container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.
<b>Special Processing:</b>	N/A
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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***Interpretive***

<b>Reference Range:</b>	500 - 1500 mg/collection  Note: The reference values are for 24 hour collections. Specimens collected for other than a 24 hour time period have no reference values established.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Phosphomolybdate
<b>References:</b>	Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition  Architect Phosphorous Pkg Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, USA. January 2016  Architect Multiconstituent Calibrator Package Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA. August 2017  Alinity Phosphorous Pkg Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, USA. December 2017  Alinity c Multiconstituent Calibrator Package Insert, Abbott Laboratories Diagnostics Division, Abbott Park. IL, 60064, USA. December 2017  Bio-Rad Liquid Assayed Multiqual Unassayed Chemistry Control Product Insert Bio-Rad Laboratories, Irvine, CA 92618

Bio-Rad Liquichek Urine Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

CALIPER pediatric reference range database (2019). Retrieved October 3, 2019, <https://caliper.research.sickkids.ca/#/>

**Updates:**

11/24/2020: Updated for method Abbott Alinity, method Siemens Vista removed