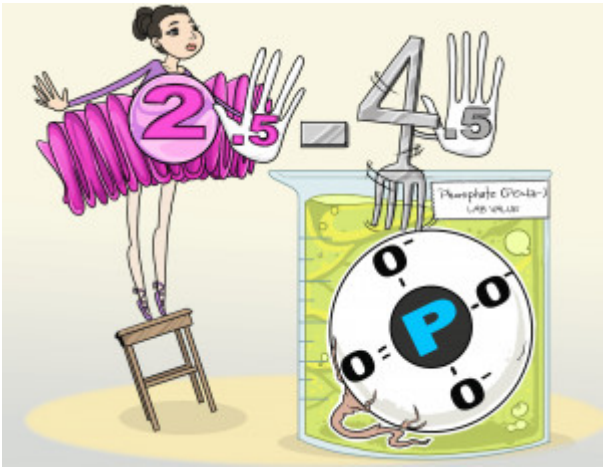
Phosphate (PO43-) Lab Value

Phosphorous is a key component of DNA and RNA, and is used to transport cellular energy in ATP. The normal serum value for phosphorus is 2.5-4.5 mg/dL. Hypophosphatemia can manifest as muscle and neurological dysfunction, and disruption of muscle and blood cells due to lack of ATP. Conversely, patients who are hyperphosphatemic can display GI symptoms and calcification (hardening) of organs and soft tissue, and can show a decreased ability to use iron, calcium, magnesium, and zinc.



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2.5 to 4.5 mg/dL

(2) Tutu (.5) Hand to (4) Fork (.5) Hand

Normal serum values for phosphate ranges vary depending on the reference range used by the lab, but anywhere between 2.5-4.5 mg/dLs is considered normal. Hypophosphatemia can manifest as muscle and neurological dysfunction, and disruption of muscle and blood cells due to lack of ATP. Conversely, patients with hyperphosphatemia can display GI symptoms and calcification (hardening) of organs and soft tissue, and can show a decreased ability to use iron, calcium, magnesium, and zinc.

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