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**Lab Dept:** Chemistry

**Test Name:** ALKALINE PHOSPHATASE

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***General Information***

**Lab Order Codes:** ALK

**Synonyms:** ALK; Alk Phos; Alk Phosphatase; ALP

**CPT Codes:** 84075 – Phosphatase, alkaline

**Test Includes:** Alkaline phosphatase concentration reported in U/L.

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***Logistics***

**Test Indications:** Alkaline phosphatase measurements are of particular interest in the investigation of two groups of conditions: hepatobiliary disease and bone disease associated with increased osteoblastic activity.

**Lab Testing Sections:** Chemistry

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 hours

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Green top(Li Heparin) tube **preferred**  
Alternate tube: Red, marble or gold top tube, Green (Na Hep) tube

**Draw Volume:** 0.6 mL blood

**Processed Volume:** 0.2 mL serum/plasma

**Collection:** Routine blood collection. Mix tubes containing anticoagulant by gentle inversion.

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a plastic tube. Store at refrigerated temperatures.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimen; improperly collected specimen

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***Interpretive***

Method Abbott	Female	Male
0 – 14 days:	90 - 273	90 - 273
15 days – 1 year:	134 – 518	134 - 518
1 – 9 years:	156 - 369	156 - 369
10 – 12 years:	141 - 460	141 - 460
13 – 14 years:	62 - 280	127 - 517
15 – 16 years:	54 - 128	89 - 365
17 – 18 years:	48 – 95	59 - 164
Adult:	40 - 150	40 - 150

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** ABBOTT: Para-nitrophenol phosphate with AMP Buffer

**References:** Architect Alkaline Phosphatase Pkg Insert, Abbott Laboratories  
Diagnostics Division, Abbott Park, IL 60064, March 2017

Alinity Alkaline Phosphatase Pkg Insert, Abbott Laboratories  
Diagnostics Division, Abbott Park, IL 60064, December 2017

Clinical Significance, Dade Behring Inc., Glasgow Business Community,  
Mailbox 531, P.O. Box 6101, Newark, Delaware 19714

Biorad Liquichek Unassayed Chemistry Control Product Insert  
(10/2005) Bio-Rad Laboratories, Irvine, CA 92618

**Updates:** 2/8/2016: Update alt tube types  
10/18/2019: New backup instrumentation and related reference ranges  
11/6/2020: Method Vista info retired and removed.

