
Lab Dept: Chemistry

Test Name: ALKALINE PHOSPHATASE

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.

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

Specimen

Specimen Type: Blood

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

Interpretive

Reference Range:

Age:	Males (U/L)	Females (U/L)
0 – 1 year:	126 – 668	126 – 610
1 – 2 years:	126 – 460	126 – 573
2 – 7 years:	126 – 402	126 – 471
7 – 10 years:	42 – 436	42 – 488
10 – 13 years:	42 – 500	42 – 542
13 – 17 years:	42 - 504	
13 – 15 years:		42 – 444
17 – 19 years:	42 - 243	
15 – 19 years:		42 – 168
>19 years:	42 – 174	42 – 119

Critical Values: N/A

Limitations: N/A

Methodology: Enzymatic 37°C

References: ALPI Flex® reagent cartridge insert sheet Siemens Healthcare Diagnostics Inc. 2008-04-16 J PN 717015.001 - US

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

