

ALKALINE PHOSPHATASE, PLASMA

Orderable - ALP

Turn Around Time: 4 hours

STAT: 1 hour

Specimen:

Adult	Pediatric
4.5 mL Green (Lithium Heparin) top Vacutainer tube	0-2 years: Green top Microtainer 2-10 years: 2 mL Green top Vacutainer tube



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Enzymatic rate



Test Schedule:
As required

Collection Information:

Serum from a 5 mL Gold top or 6 mL Red top Vacutainer tube is also acceptable.

Reference Ranges:

Male & Female Children:	
Age	Range
≤14 days:	83-248 U/L
15 days-1 year:	122-469 U/L
1-10 years:	142-335 U/L
10-13 years:	129-417 U/L

Male	
Age	Range
13-15 years:	116-468 U/L
15-17 years:	82-331 U/L
17-19 years:	55-149 U/L
>19 years:	40-129 U/L

Female	
Age	Range
13-15 years:	57-254 U/L
15-17 years:	50-117 U/L
17-19 years:	45-87 U/L
>19 years:	35-104 U/L



ALKALINE PHOSPHATASE, PLASMA

Interpretive Comments:

Normally increased to 400 IU/L in children, adolescence and pregnancy. Abnormally elevated with increased osteoblastic activity (e.g. bone metastasis, Paget's disease of bone), in obstructive liver disease and in some carcinomas of the bronchus. Patients with low alkaline phosphatase levels: A low level can occur in various medical conditions and may be a marker for hypophosphatasia, a now potentially treatable disorder of bone mineralization.

Comments:

Hemolysis is an interfering substance with this methodology.