

Reporting Title: Alkaline Phosphatase, Tot and Iso,S
Performing Location: Rochester

Necessary Information:
[Patient's age and sex are required.](#)

Specimen Requirements:
Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL, divided
Collection Instructions: Centrifuge and aliquot serum into 2 tubes, each containing 0.5 mL

Forms:

Specimen Type	Temperature	Time	Special Container
Serum	Frozen (preferred)	14 days	
	Ambient	7 days	
	Refrigerated	7 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
ALP	Alkaline Phosphatase, S	Numeric	U/L	6768-6
89503	Alkaline Phosphatase Isoenzymes, S	Alphanumeric		49243-9
45488	Liver 1 %	Numeric	%	15348-6
57034	Liver 1	Alphanumeric	IU/L	13874-3
45489	Liver 2 %	Numeric	%	15349-4
57035	Liver 2	Alphanumeric	IU/L	13875-0
45490	Bone %	Alphanumeric	%	15013-6
57036	Bone	Alphanumeric	IU/L	1777-2
45491	Intestine %	Alphanumeric	%	15014-4
57037	Intestine	Alphanumeric	IU/L	1778-0
29324	Placental	Alphanumeric		40793-2

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
ALP	Alkaline Phosphatase, S	1	84075	Yes	Yes
ALKE	Alkaline Phosphatase Isoenzymes, S	1	84080	Yes	No

CPT Code Information:

84075

84080

Reference Values:

ALKALINE PHOSPHATASE

Males

0-14 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

13-<15 years: 116-468 U/L

15-<17 years: 82-331 U/L

17-<19 years: 55-149 U/L

> or =19 years: 40-129 U/L

Females

0-14 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

13-<15 years: 57-254 U/L

15-<17 years: 50-117 U/L

> or =17 years: 35-104 U/L

ALKALINE PHOSPHATASE ISOENZYMES

Liver 1%

0-6 years: 5.1-49.0%

7-9 years: 3.0-45.0%

10-13 years: 2.9-46.3%

14-15 years: 7.8-48.9%

16-18 years: 14.9-50.5%

> or =19 years: 27.8-76.3%

Liver 1

0-6 years: 7.0-112.7 IU/L

7-9 years: 7.4-109.1 IU/L

10-13 years: 7.8-87.6 IU/L

14-15 years: 10.3-75.6 IU/L

16-18 years: 13.7-78.5 IU/L

> or =19 years: 16.2-70.2 IU/L
Liver 2%
0-6 years: 2.9-13.7%
7-9 years: 3.7-12.5%
10-13 years: 2.9-22.3%
14-15 years: 2.2-19.8%
16-18 years: 1.9-12.5%
> or =19 years: 0.0-8.0%
Liver 2
0-6 years: 3.0-41.5 IU/L
7-9 years: 4.0-35.6 IU/L
10-13 years: 3.3-37.8 IU/L
14-15 years: 2.2-32.1 IU/L
16-18 years: 1.4-19.7 IU/L
> or =19 years: 0.0-5.8 IU/L
Bone %
0-6 years: 41.5-82.7%
7-9 years: 39.9-85.8%
10-13 years: 31.8-91.1%
14-15 years: 30.6-85.4%
16-18 years: 38.9-72.6%
> or =19 years: 19.1-67.7%
Bone
0-6 years: 43.5-208.1 IU/L
7-9 years: 41.0-258.3 IU/L
10-13 years: 39.4-346.1 IU/L
14-15 years: 36.4-320.5 IU/L
16-18 years: 32.7-214.6 IU/L
> or =19 years: 12.1-42.7 IU/L
Intestine %
0-6 years: 0.0-18.4%
7-9 years: 0.0-18.3%
10-13 years: 0.0-11.8%
14-15 years: 0.0-8.2%
16-18 years: 0.0-8.7%
> or =19 years: 0.0-20.6%
Intestine
0-6 years: 0.0-37.7 IU/L
7-9 years: 0.0-45.6 IU/L
10-13 years: 0.0-40.0 IU/L
14-15 years: 0.0-26.4 IU/L
16-18 years: 0.0-12.7 IU/L
> or =19 years: 0.0-11.0 IU/L
Placental

Not present