

5'-Nucleotidase, Serum

Test ID: 5NTD

Useful for:

Aiding diagnosis and monitoring of hepatobiliary disease and bile duct obstructions

Ruling out bone pathology as the source of elevated serum alkaline phosphatase

Methods:

Coupled Enzyme Kinetic Assay

Reference Values:

<4.6 U/L

For International System of Units (SI) conversion for Reference Values, see www.mayocliniclabs.com/order-tests/si-unit-conversion.html.

Specimen Requirements:

Supplies	Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube:	
Preferred:	Serum gel
Acceptable:	Red top
Submission Container/Tube:	Plastic Vial
Specimen Volume:	1 mL
Collection Instructions:	Centrifuge and aliquot serum into plastic vial.
Minimum Volume:	0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	14 days
	Frozen	90 days

Cautions:

Alkaline phosphatase (ALP) is known to cross-react with 5'-nucleotidase (5'NT) measurements. Placental ALP of 100 U/L gives a 5'NT result of 0.27 U/L. Accordingly, specimens with elevations of any ALP isoenzyme significantly above normal circulating activity must be interpreted cautiously.

5'-nucleotidase is neither specific nor sensitive enough to be used as a cancer screen.

Do not interpret serum 5' NT activity as absolute evidence of the presence or the absence of malignant disease. Use serum 5' NT in conjunction with information from the clinical evaluation of the patient and other diagnostic procedures.

Values obtained with different assay methods or kits may be different and cannot be used interchangeably.

CPT Code:

83915

Day(s) Performed: Monday through Saturday

Report Available: 1 to 3 days

Note:

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
5'Nucleotidase	F5NUL	0080235	ARUP Lab Interface

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.