



# Laboratory Service Manual

**Lab Dept:** Chemistry

**Test Name:** 5' NUCLEOTIDASE, SERUM

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## ***General Information***

**Lab Order Codes:** 5NT

**Synonyms:** 5 Nucleotidase; Nucleotidase

**CPT Codes:** 83915 – Nucleotidase 5

**Test Includes:** 5' Nucleotidase level measured in U/L.

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## **Logistics**

**Test Indications:** Determining cholestatic liver disease, particularly when GGT and ALP could be falsely elevated due to drug induction.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories (Test# 8692)

## **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 9 days, test set up on Monday and Thursday

**Special Instructions:** Fasting (4 hour fast) specimen preferred.

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## ***Specimen***

**Specimen Type:** Blood

**Container:** Red top tube

**Draw Volume:** 3.0 mL (Minimum: 1.5 mL) blood

**Processed Volume:** 1.0 mL (Minimum: 0.2 mL) serum

**Collection:** Routine venipuncture



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<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Specimens other than serum, moderate to gross hemolysis, lipemia, mislabeled or unlabeled specimens

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## ***Interpretive***

<b>Reference Range:</b>	2.0 – 8.0 U/L
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	May be elevated in hyperammonemia due to interference in the method.
<b>Methodology:</b>	Enzyme Kinetic
<b>Contraindications:</b>	N/A
<b>References:</b>	<a href="#">Mayo Medical Laboratories Web Page</a> (March 2009)
<b>Updates:</b>	3/24/2009: Reference range updated, previously listed as 4.0 – 11.5 U/L