5’ Nucleotidase

CPT Code: 83915
Order Code: C2386
ABN Requirement: No
Synonyms: Nucleotidase; 5NT
Specimen: Serum
Volume: 1.0 mL
Minimum Volume: 0.3 mL
Container: Gel-barrier tube (SST, Tiger Top)

Collection:

Serum:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Let tube stand in a vertical position to allow blood to clot 30 minutes.
4. Centrifuge at 1300 rcf for 10 minutes at room temperature.

Note: Separate serum from cells within 2 hours of collection.

Transport: Store serum at 2-8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab, Inc. shipping box.

Stability:

Ambient (15-25°C): 4 hours
Refrigerated (2-8°C): 7 days
Frozen (-20°C): 14 days (avoid repeated freeze/thaw cycles)
Deep Frozen (-70°C): 14 days (avoid repeated freeze/thaw cycles)

Causes for Rejection: Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits

Methodology: Enzymatic Assay

Turn Around Time: 3-4 days

Reference Range:
<table>
<thead>
<tr>
<th>Age</th>
<th>U/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>0-15</td>
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</tbody>
</table>

**Clinical Significance:** 5’ Nucleotidase levels are elevated in obstructive or cholestatic liver disease, hepatitis, intrinsic liver damage, primary liver malignancy and metastasis, biliary cirrhosis, and use of hepatotoxic drugs.