NT-proBNP

CPT Code: 83880
Order Code: C125
ABN Requirement: No
Synonyms: Brain Natriuretic Peptide; proBNP, N-terminal pro b-type natriuretic peptide
Specimen: Serum or EDTA Plasma
Volume: 0.5 mL
Minimum Volume: 0.2 mL
Container: Gel-barrier tube (SST, Tiger Top) or EDTA (Lavender Top) tube

Serum:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

EDTA Plasma:

1. Draw and gently invert 8 to 10 times.
2. Centrifuge for 10 minutes.
3. Pre-squeeze transfer pipet bulb and draw off approximately 2/3 of the upper plasma layer.
   Note: This ensures that the buffy coat and red cells remain undisturbed.
4. Aliquot plasma into labeled transport tube and cap tightly. Discard original tube.
5. Store transport tube refrigerated at 2-8°C until ready to ship.

Special Instructions: Samples should not be taken from patients receiving therapy with high biotin doses (>5 mg/day) until at least 8 hours following the last dose.

Transport: Store serum or EDTA plasma at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

Stability:
**Ambient (15-25°C):** 3 days  
**Refrigerated (2-8°C):** 6 days  
**Frozen (-20°C):** 24 months

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

**Methodology:** Electrochemiluminescence Immunoassay (ECLIA)

**Turn Around Time:** 1 to 3 days

**Relative risk:**

<table>
<thead>
<tr>
<th>Age/Sex</th>
<th>Low Risk pg/mL</th>
<th>High Risk pg/mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages, male</td>
<td>&lt;253</td>
<td>≥253</td>
</tr>
<tr>
<td>All Ages, Female</td>
<td>&lt;372</td>
<td>≥372</td>
</tr>
</tbody>
</table>

**Clinical Significance**  A NT-proBNP test may be used for the diagnosis and stratification of individuals with congestive heart failure, and for risk stratification of individuals with acute coronary syndromes.

**Limitations:** In rare cases, interference due to extremely high titers of antibodies to analyte-specific antibodies, streptavidin or ruthenium can occur.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*