Galectin-3

**CPT Code:** 82777  
**Order Code:** C315  
**ABN Requirement:** No  
**Synonyms:** Galectin  
**Specimen:** Serum or EDTA Plasma  
**Volume:** 1.0 mL  
**Minimum Volume:** 0.5 mL

**Container:**

- **Serum:** Gel-barrier tube (Tiger Top)  
- **Plasma:** EDTA (Lavender Top tube)

**Collection:**

**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 at 1300 rcf for 10 minutes.

**EDTA Plasma:**

1. Draw and gently invert 8 to 10 times.  
2. Centrifuge immediately for 10 minutes at 1300 RCF at room temperature.  
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 labeled as “EDTA plasma” and cap tightly. Discard original tube.  
5. Store transport tube refrigerated at 2-8°C until ready to ship.

**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, Inc. shipping box.
Stability:

**Ambient (15-25°C):** 22 days  
**Refrigerated (2-8°C):** 22 days  
**Frozen (-20°C):** >1 year  
**Deep Frozen (-70°C):** >1 year

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

**Methodology:** Enzyme-linked Immunoassay (ELISA)

**Turn Around Time:** 1 to 5 days

**Relative Risk:**

<table>
<thead>
<tr>
<th>Age</th>
<th>Low Risk ng/mL</th>
<th>Moderate Risk ng/mL</th>
<th>High Risk ng/mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ages</td>
<td>&lt;17.9</td>
<td>17.9-25.9</td>
<td>&gt;25.9</td>
</tr>
</tbody>
</table>

**Intended Use:** A galectin-3 test may be ordered for the identification of individuals with chronic heart failure at elevated risk of disease progression.

**Limitations:** Hemolysis can falsely elevate results. Presence of human anti-mouse antibodies (HAMA) or rheumatoid factor (RF) greater than 50IU/mL, or specimens with high levels of gamma globulins (≥2.5 g/dL), may cause falsely elevated results. Galectin-3 results should be interpreted with caution in patients with a history of therapeutic use of murine monoclonal antibodies (IgG) or their fragments, who have known autoimmune disorders, or who have diseases associated with hyperglobulinemia such as multiple myeloma. Levels of galectin-3 in the blood may be increased in patients with certain forms of advanced cancer and other conditions associated with organ fibrosis.

**Additional Information:** Galectin-3 should not be used for diagnosis of heart failure.

*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.*
direct any questions regarding coding to the payer being billed.