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 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 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 included with the provided 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: 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>

Clinical significance: 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. Please direct any questions regarding coding to the payer being billed.