

Ordered Items: **Galectin-3; Venipuncture**

Date Collected:	Date Received:	Date Reported:	Fasting:
-----------------	----------------	----------------	----------

Galectin-3

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
 Galectin-3 ⁰¹	15.6		ng/mL	<22.2

Reference range of <22.2 ng/mL applies to population without known heart disease.

Galectin-3 is NOT a marker of cardiac distress or decompensation.

Galectin-3 is a marker of fibrosis and adverse remodeling resulting in a more progressive form of chronic heart failure. The BGM Galectin-3 assay results should be interpreted in conjunction with clinical evaluation as an aid in assessing the prognosis of patients diagnosed with chronic heart failure.

- * Galectin-3 levels less than or equal to 17.8 ng/mL - LOWER risk of adverse outcomes including mortality or hospitalization.
- * Galectin-3 levels greater than 17.8 ng/mL - HIGHER risk of adverse outcomes including mortality or hospitalization.
- * Galectin-3 levels between 17.8 ng/mL and 25.9 ng/mL should be interpreted with caution because these values lie within the reference range.

Additional Considerations

- Approximately 30% of NYHA class II/III outpatient population were found to have elevated galectin-3 levels (>17.8 ng/mL). [1]
- Elevated galectin-3 is found in similar percentages of patients with systolic dysfunction and preserved ejection fraction. [1]
- Galectin-3 shows modest correlations with clinical variables, including Age (slightly higher levels in older subjects), Gender (women have slightly higher values) certain co-morbidities (diabetes and atrial fibrillation), and NYHA classification. [2]
- Once elevated galectin-3 levels are generally stable over time. [2]
- Drugs effective in the management of patients with heart failure often fail to reduce levels of galectin-3 and galectin-3 levels should not be used to guide therapy.
- * Galectin-3 testing was cleared by the FDA for use in patients with chronic heart failure only. [1]

(1) BG Galectin-3 Product Label

(2) de Boer, R; Lok, D; Jaarsma, T, et al. Value of Plasma Galectin-3 levels in Heart Failure with Reduced and Preserved Ejection Fraction. Ann Medicine, 2011; 43(1):60-68.

Patient ID: Specimen ID:

DOB:

Age:

Sex:

Patient Report

Ordering Physician:



Disclaimer

The Previous Result is listed for the most recent test performed by Labcorp in the past 3 years where there is sufficient patient demographic data to match the result to the patient.

Icon Legend

▲ Out of reference range ■ Critical or Alert

Performing Labs

Patient Details

Phone:
Date of Birth: Age:
Sex:
Patient ID:
Alternate Patient ID:

Physician Details

Phone:
Physician ID:
NPI:

Specimen Details

Specimen ID:
Control ID:
Alternate Control Number:
Date Collected:
Date Received:
Date Entered:
Date Reported:
Rte: