



Test Discontinuation: B Natriuretic Peptide (BNP) - Order Code 5585

Offering our clients state-of-the-art testing is part of CPL's ongoing commitment to excellence.

Effective September 10, 2018, Clinical Pathology Laboratories (CPL) will no longer offer BNP (order code 5585). Consider NT-proBNP (order code 5722) as replacement. NT-proBNP offers better stability and reduced interference to common Neprilysin inhibitors.

Atrial- and brain-type natriuretic peptides (ANPs and BNP) are produced in cardiac tissues in response to ventricular dysfunction and atrial distension.

NT-proBNP aids in the:

- Diagnosis and prognosis of individuals suspected of having congestive heart failure
- Risk stratification of patients with acute coronary syndrome and congestive heart failure
- Assessment of increased risk of cardiovascular events and mortality in patients at risk for heart failure who have stable coronary artery disease

NT-proBNP, in contrast to Brain Natriuretic Peptide (BNP), is:

- Unaffected by the new class of Neprilysin Inhibitors (e.g. Entresto)
- Suitable as a biomarker for congestive heart failure
- Stable when collected, stored and transported at ambient, refrigerated and frozen temperatures

The table below demonstrates NT-proBNP performance characteristics by age range.

Age in years	Male				Female			
	45-54	55-64	65-74	≥ 75	45-54	55-64	65-74	≥ 75
% Sensitivity	88.2	69.6	91.7	86.5	90.5	89.3	94.3	81.8
% Specificity	93.3	87.8	86.7	88.9	85.5	79.9	57.8	87.9
% Prevalence	1.8	6.2	6.8	9.8	1.3	3.4	6.6	9.7
% NPV	99.8	99.2	99.3	98.8	99.9	99.5	99.3	97.8

Order Code/Test Name:	5722 NT-proBNP
Test Method:	Electrochemiluminescence Immunoassay (ECLIA)
Specimen Requirements:	2 mL serum. Allow Serum Separator Tube (SST) to clot in an upright position for at least 30 minutes, then centrifuge sample within 2 hours of collection. Refrigerate (2-8 °C) <i>Note: Samples should not be collected from patients receiving therapy with high Biotin doses (> 5 mg/day) until at least 8 hours following the last Biotin administration.</i>
Specimen Rejection Criteria:	Grossly hemolyzed specimens will be rejected
Transport Temperature:	Refrigerated (2 - 8 °C)
Stability (collection to initiation of testing):	Ambient: (15 - 25 °C) 3 days Refrigerated: (2 - 8 °C) 6 days Frozen: (≤ -20 °C) 1 month
Performed:	Monday through Friday
Analytic Time:	1 day
Reference Range:	< 50 years: 450 pg/mL or less 50-75 years: 900 pg/mL or less > 75 years: 1800 pg/mL or less
CPT Code:	83880

If you have concerns about patients with known BNP baselining, please contact your CPL Account Representative.

Thank you for supporting Clinical Pathology Laboratories