
Lab Dept: Chemistry

Test Name: NT-PRO B-TYPE NATRIURETIC PEPTIDE

General Information

Lab Order Codes: PBNP

Synonyms: NT-Pro BNP

CPT Codes: 83880 – Natriuretic peptide

Test Includes: NT-Pro BNP level reported in pg/mL.

Logistics

Test indications: Aids in the diagnosis of congestive heart failure

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Clinic Laboratory (Mayo test: PBNP)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 2 days

Special Instructions: See [Patient Preparation](#)

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red)

Draw Volume: 1.5 mL (Minimum: 0.9 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.3 mL) serum

Collection: Routine blood collection

Special Processing: Lab: Centrifuge and process within 2 hours of collection. Remove serum aliquot into a screw-capped plastic vial. Store and ship at frozen temperatures.

Patient Preparation: For 12 hours prior to this test do not take multivitamins or dietary supplements containing biotin (vitamin B7), which is commonly found in hair, skin, nail supplements and multivitamins.

Sample Rejection: Gross hemolysis; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Males: < or =45 years	10 – 51 pg/mL
	Females: < or =46 years	10 – 140 pg/mL

Critical Values: N/A

Limitations: Lack of N-terminal-pro brain natriuretic peptide (NT-pro BNP) elevations have been reported if congestive heart failure is very acute (first hour) or occurs with ventricular inflow obstruction (hypertrophic obstructive cardiomyopathy, mitral stenosis, atrial myxoma).

Methodology: Electrochemiluminescence immunoassay

References: [Mayo Clinic Laboratories](#) (August 2020)