

Reference Interval: NT-pro-BNP

The reference range in healthy persons is less than <35 pmol/L.

The NT-pro-BNP level that strongly supports heart failure in a patient with symptoms suggestive of heart failure is age dependent:

< 50 years > 53 pmol/l

50 - 70 years > 106 pmol/l

>70 years > 212 pmol/l

Heart failure is highly unlikely in all ages when NT-pro-BNP is < 35 pmol/l

BNP may be elevated by renal failure, atrial fibrillation, LVH, COPD, after myocardial infarction, in the elderly, and by treatment with beta-blockers or digoxin. BNP may be decreased by hypothyroidism treatment with diuretics, vasodilators, and ACE inhibitors.