



# Laboratory Medicine Bulletin

NT-proBNP testing available at  
Mount St. Joseph Hospital

May 3, 2021

Starting May 11, 2021, NT-proBNP testing will be available onsite at Mount Saint Joseph (MSJ) laboratory. This will decrease the turnaround time for reporting NT-proBNP results from MSJ and PHC residential sites.

The NT-proBNP assay is a 2-step sandwich immunoassay measured on the Roche e411 analyzer and have excellent comparability and correlation to the NT-proBNP assay offered at St. Paul's hospital laboratory (Roche e601 analyzers).

**Acceptable specimen types:** Plasma (light green top) and serum (gold and red top)  
**Reportable range:** 10 – 70,000 ng/L

For use as a diagnostic aid for acute heart failure, the reference intervals and interpretive comments are shown below:

Age (Years)	Decision Threshold (ng/L)	Reference Interval (ng/L)
15 to < 50	< 450	< 125
50 to 75	< 900	< 300
> 75	< 1800	< 300

NT-proBNP result	Interpretive Comment
< 300 ng/L	Acute heart failure unlikely (< 300 ng/L).
> 300 ng/L, but below age-dependent decision threshold	Heart failure possible. Consider other causes for NT-proBNP elevation including reduced eGFR.
> 300 ng/L, and above age-dependent decision threshold	Heart failure probable. The decision threshold rises as eGFR falls.

**QUESTIONS?** Please do not hesitate to contact me if you have any questions.

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