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TRIMETHYLAMINE
N-OXIDE (TMAO) IN
PLASMA BY LC-MS/MS

REF LC21110

IVD **CE**



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TMAO and cardiovascular diseases

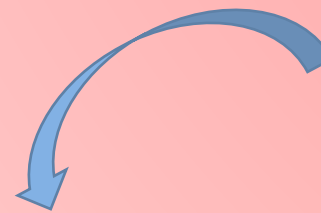
Trimethylamine N-oxide (TMAO) is a product derived from the metabolism of phosphatidylcholine, carnitine, g-butyrobetaine, betaine, and crotonobetaine, which can be found in red meat, eggs and other animal-derived food (Miller *et al.* Am J clin Nutr, 2014; Koeth *et al.* Cell metabolism, 2014). Some studies have suggested TMAO as a marker of the cardiovascular diseases such as coronary atherosclerotic burden (Shen *et al.* Frontiers in card. Med., Review, 2021).

Principle of the method

Add Reagent A and Reagent B to calibrator, sample and control



Vortex



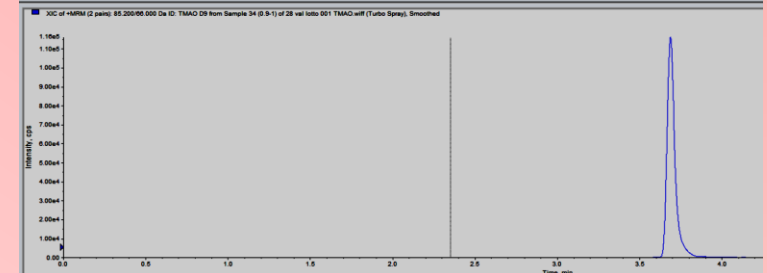
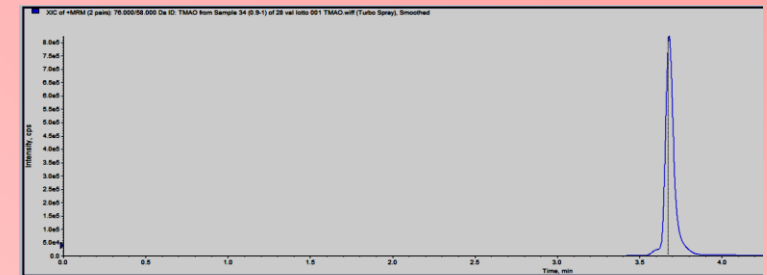
Centrifuge



Take the supernatant and transfer it into vials



Injection into LC-MS/MS



Sample at 5.8 $\mu\text{moli/L}$ of TMAO