TIMSTOF Compass 4.0 Methods - LCMS and MALDI - OrsburnLab 2023

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LCMSMethods.org Version 2

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No guarantees are implicit or implied in the use of these methods. For research use only.

ABSTRACT

The methods included here are in support of research submissions from the www.OrsburnLab.org group in 2023 from a TIMSTOF Flex system with EasyNLC1200, EvoSep One and MALDI (1) front end sources.

Methods include:
- pasefRIQ used for SCoPE-MS (DefaultTIMSTOF40_TMT_highsensitivity_pasefSCOPE)
- diaPASEF methods optimized for the EvoSep One - diaPASEF-shortgradient-1800V
- the same - optimized for EasyNLC 1200 using a 10um emitter - TIMSTOF_40_shortgradient_DIA
- ddaPASEF method for normal high input (100ng - 500ng proteomics loads) - DefaultDDA_TIMST40_5_6_2023
- ddaPASEF methods optimized for the EvoSep One Whisper for ultralow input immunoenriched samples - DefaultDDA_TIMS40_high_sensitivity

A MALDI-MS method for TIMSTOF Flex to test the effectiveness of direct transfer of MALDI instrument methods between different TIMSTOF imaging mass spectrometers:
20220925_SCZ_GelMethod_AngelLab_transfer.m

Protocol Citation: Benjamin Orsburn 2023. TIMSTOF Compass 4.0 Methods - LCMS and MALDI - OrsburnLab 2023. protocols.io https://dx.doi.org/10.17504/protocols.io.x54v9p8zzg3e/v1

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Protocol status: Working
We use this protocol and it's working

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