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TIMSTOF Compass 4.0 Methods - LCMS and MALDI - OrsburnLab 2023

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Protocol status: Working

We use this protocol and it's working

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Keywords: defaulttimstof40-tmt-highsensitivity-pasefscope diapasef method, maldi instrument methods between different timstof, timstof-40-shortgradient-dia ddapasef method for normal high input, timstof-40-shortgradient-dia ddapasef method, ms method for timstof flex, defaultdda-tims40-high-sensitivity, timstof flex system with easynlc1200, timstof flex system, maldi instrument method, different timstof, orburnlab 2023 the method, timstof flex, timstof, ms method, 500ng proteomics load, mass spectrometer, evosep one whisper for ultralow input, imaging mass spectrometer

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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

Attachments



TIMSTOF40_methods.zi.



942KB



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