



iprm-PASEF

Bringing high confidence molecular identification to MS/MS Imaging

Exciting update for the timsTOF fleX:

Introducing the new iprm-PASEF MALDI MS/MS Imaging workflow

What is iprm-PASEF®?

Imaging parallel reaction monitoring (iprm) with parallel accumulation serial fragmentation (PASEF®) (iprm-PASEF®) is an integrated software workflow for targeted, multiplexed MALDI MS/MS Imaging on the timsTOF fleX. Used during a MALDI Imaging acquisition, iprm-PASEF allows for parallel MS/MS imaging of up to 25 mobility-resolved precursor isolation windows while maintaining the spatial context of both precursor and fragment ions. Utilize SCiLS™ Lab for visualization and identification powered by MetaboScape®.

Why is it relevant for spatial biology?

Spatial multiomics approaches are key for understanding molecular mechanisms underlying diseases and therapies. The label-free analysis of lipids, metabolites, glycans, peptides, and other small molecules necessitates confidence in identification of molecules that are part of complex biochemical pathways.



Learn more

For companion information on how to utilize the iprm-PASEF workflow, view this [webinar on demand](#).



The Technical Note is available for download:



With this new workflow we are making advancements that meet customer requests for higher confidence in molecular identifications with the ability to multiplex MS/MS imaging.

For more information, contact your local sales representative and get started today!