

IntelliSlides™

- Maximize information content per pixel with intelligence

Perfect for SpatialOMx™

Bruker's IntelliSlides simplify your MALDI Imaging workflows by enabling automated setup of each measurement. IntelliSlides incorporate permanent inscriptions that indicate optimal placement of samples, registration marks (also known as teach marks or fiducials) that make automated sample registration possible, as well as providing a unique slide identifier for software tracking.


IntelliSlides are the optimal tool for increasing measurement efficiency and throughput for any MALDI Imaging study.

You asked for it, we listened

IntelliSlide automation removes common sources of user error and inefficiency from the sample loading process. IntelliSlides are always correctly labelled, always oriented properly, and registration occurs at the touch of a button. Your effortless time-to-result for MALDI Imaging has never been faster.

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IntelliSlide Workflow	
1.	Place sample onto slides
2.	Make pre-measurement scan
3.	Sample Preparation
4.	Insert sample into MALDI instrument, define sample name and method
5.	Automatic reading of barcode and teach marks (with specialized software)
6.	Select area of measurement
7.	Start measurement
 time saved ~27 minutes	

VS

Current Workflow	
1.	Manually confirm conductive surface
2.	Label slide with identifier
3.	Place sample onto slides
4.	Manually draw teach marks around sample*
5.	Make pre-measurement scan
6.	Sample Preparation
7.	Insert sample into MALDI instrument, define sample name and method
8.	Manually search computer directory for pre-measurement scan image, load
9.1.	Manually find and match first teach mark on the slide and the pre-measurement scan
9.2.	Manually find and match second teach mark on the slide and the pre-measurement scan
9.3.	Manually find and match third teach mark on the slide and the pre-measurement scan
10.	Select area of measurement
11.	Start measurement

3 Minutes

current Workflow 30 Minutes

*Total time depends on teach mark appearance and individual user experience/ability (5 to 30 mins)

Features and benefits

- The process of MALDI sample preparation is vastly simplified with Bruker IntelliSlides.
- Slide markings include barcode and serial number information for sample tracking and linking with other parts of the workflow
- Etched registration marks on IntelliSlides indicate the conductive surface as well where to place sections onto the slide. Registration marks will not wash away in wash/staining solvents

- With specialized flexImaging version 5.1 software on the timsTOF fleX and rapiflex, IntelliSlides allow automation of the experiment set up and registration process. Simply load prepared samples into your MALDI instrument and define regions to measure three minutes later
- Use Bruker IntelliSlides for accurate, high-spatial resolution SpatialOMx mass spectrometry imaging experiments
- Perfectly suited for Bruker's fleXmatrix™ for Lipids, Peptides or Proteins


Shelf life and storage

- Shelf life: 24 months from date of production
- Storage: at room temperature (15-25°C) before opening

Order Information

IntelliSlides Part-No. 1868957
Box of 50 slides, individually barcoded

For research use only. Not for use in clinical diagnostic procedures.

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