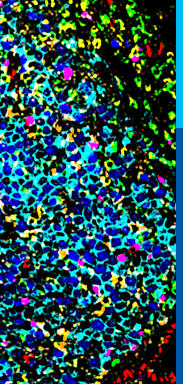


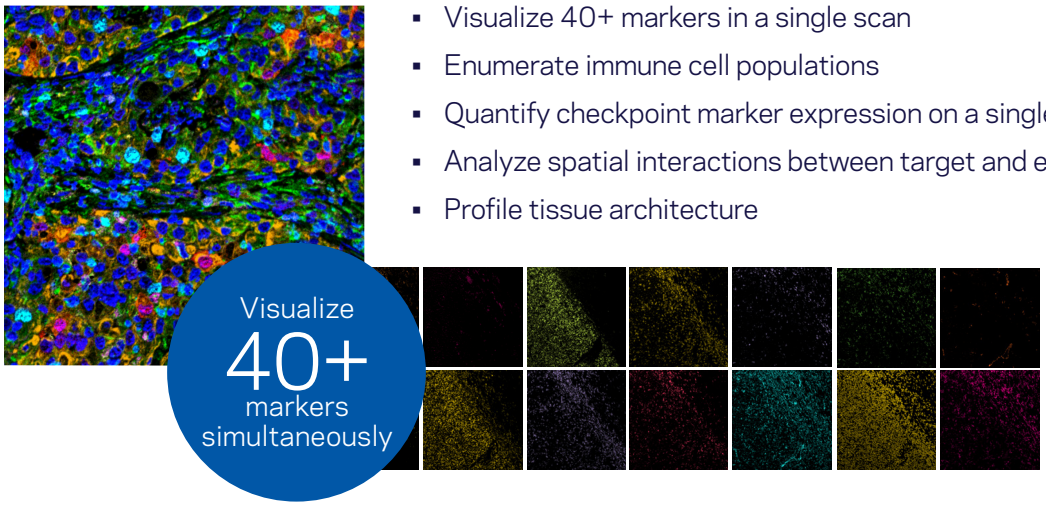
MIBIscope™ System

WITH MULTIPLEXED ION BEAM IMAGING (MIBI™) TECHNOLOGY

Transformative multiplexed tissue imaging platform that delivers actionable information

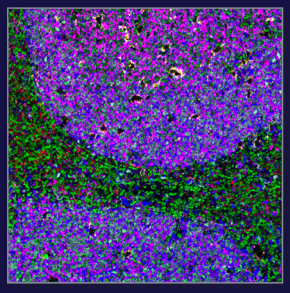
Best-in-class tissue imaging instrument for high-definition spatial proteomics

Based on MIBI (multiplexed ion beam imaging) technology, the MIBIscope instrument can visualize 40+ protein markers in a single scan and provide relevant insight into the microenvironment of the tissue sample.



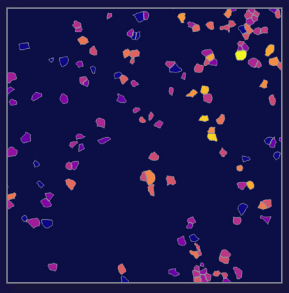
- Visualize 40+ markers in a single scan
- Enumerate immune cell populations
- Quantify checkpoint marker expression on a single-cell basis
- Analyze spatial interactions between target and effector cells
- Profile tissue architecture

The standard in high-defintion spatial proteomics



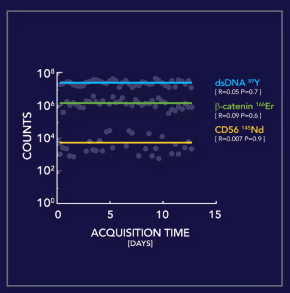
High Resolution

Enumerate cells and map sub-cellular expression



High Sensitivity

Quantify proteins to near single molecule levels



High Reproducibility

Clinical grade data quality across all runs

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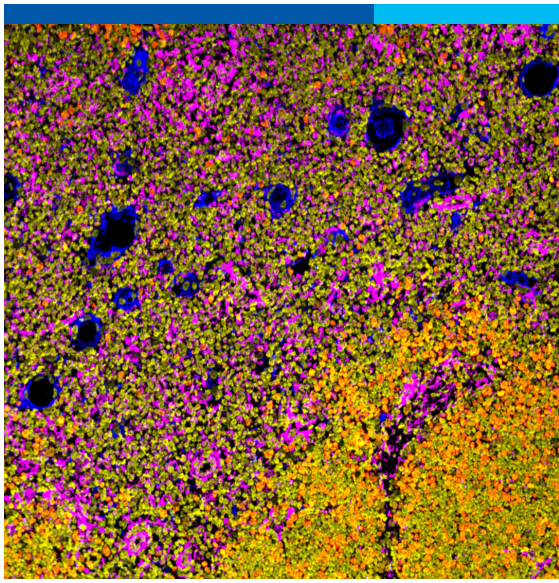
MIBIscope System | FOR HIGH-DEFINITION SPATIAL PROTEOMICS

Robust performance, reproducible results, easy to operate

- Follows the standard pathology workflow
- Optical and SED image guided ROI selection
- Limited utility requirements and utilization
- Greater than 10^4 dynamic range
- Simple operation; special expertise not required



ACQUISITION TIMES		
	400x400 μm² ROI	800x800 μm² ROI
Coarse Resolution (1 μm)	9 min	35 min
Fine Resolution (500 nm)	17 min	68 min
Super-fine Resolution (350 nm)	35 min	139 min

PERFORMANCE SPECIFICATIONS	
Available Biomarker Channels	40
Resolution	350 nm – 1 μm
ROI Size	400x400 – 800x800 μm²
Lower Limit of Ab Detection	1 (^{113}In) - 16 (^{166}Er)
Dynamic Range	5 log
File Type	TIFF

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