

vizgen®

MERSCOPE Ultra Z

UPGRADE PACKAGE

**Go from spatial in 2D to volumetric
on the MERSCOPE Ultra™ you already own.**

The MERSCOPE Ultra Z Upgrade Package brings Volumetric Tissue Mapping to your existing MERSCOPE Ultra™ Platform through an on-site upgrade. Move beyond standard ~10 µm tissue sections to map transcripts across 50–100 µm tissue depth, revealing cellular organization, interactions, and tissue architecture in three dimensions.

Gain depth without compromise. MERSCOPE Ultra Z extends the proven performance of MERFISH 2.0™ into intact tissue volumes, maintaining single-molecule sensitivity and up-to-960-plex multiplexing as you move from thin sections to volumetric analysis.

Installed, calibrated, and qualified on-site by Vizgen Field Engineers, MERSCOPE Ultra Z adds a powerful new dimension to the MERSCOPE Ultra™ you already own, no new instrument required.

UNLOCK THE FULL DEPTH OF BIOLOGY

SEE INTERACTIONS IN 3D.

Reveal cell neighborhoods and spatial interactions beyond a single tissue section by mapping transcripts across 50–100 µm tissue depth.

SUBCELLULAR RESOLUTION AT DEPTH.

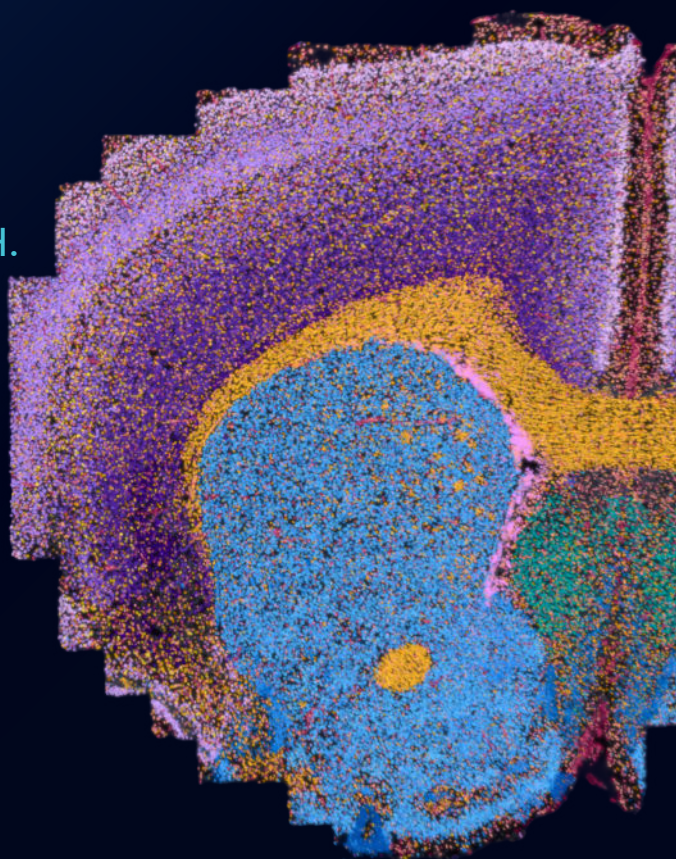
Maintain single-molecule sensitivity and subcellular resolution throughout thick tissue, enabling detection of even lowly expressed genes.

MORE BIOLOGY. MORE ANSWERS.

Resolve cellular interactions, molecular gradients, and tissue structures that can be missed in conventional 2D sections.

MAXIMIZE YOUR INVESTMENT.

Add powerful volumetric capabilities to your existing MERSCOPE Ultra™ Platform, no new instrument required.



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SEE MORE.
KNOW MORE.

IDEAL FOR STUDYING



Complex tissues and organs.



Development and organogenesis.

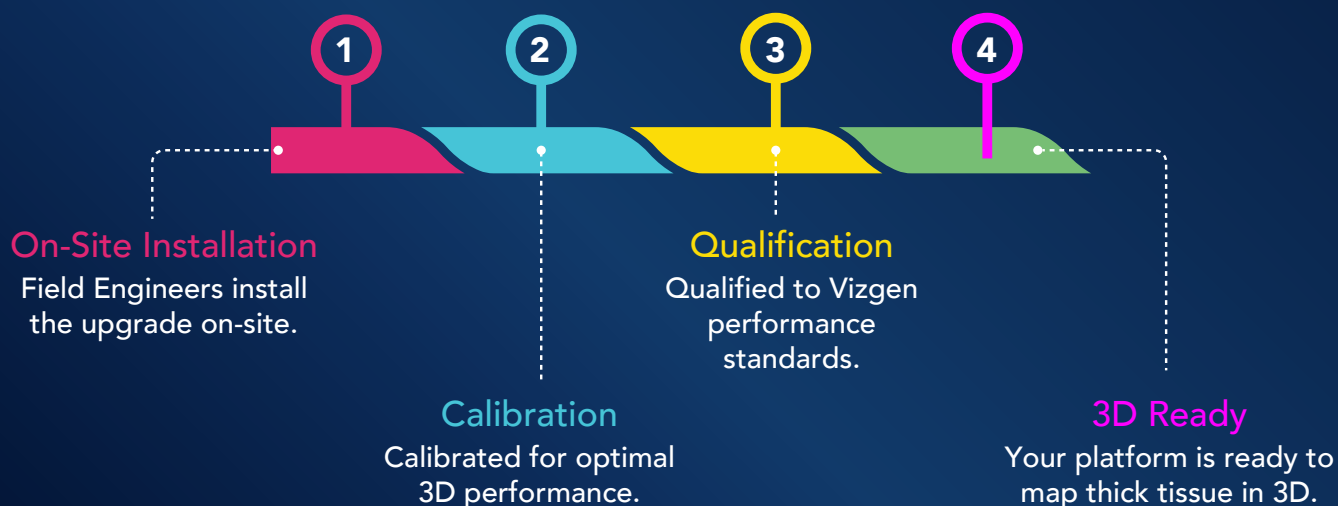


Neuroscience and connectomics.



Immune cell interactions.

SEAMLESS UPGRADE. MINIMAL DISRUPTION.



UNLOCK A NEW DIMENSION OF DISCOVERY.

Talk to your Vizgen representative to explore upgrading to MERSCOPE Ultra Z.

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