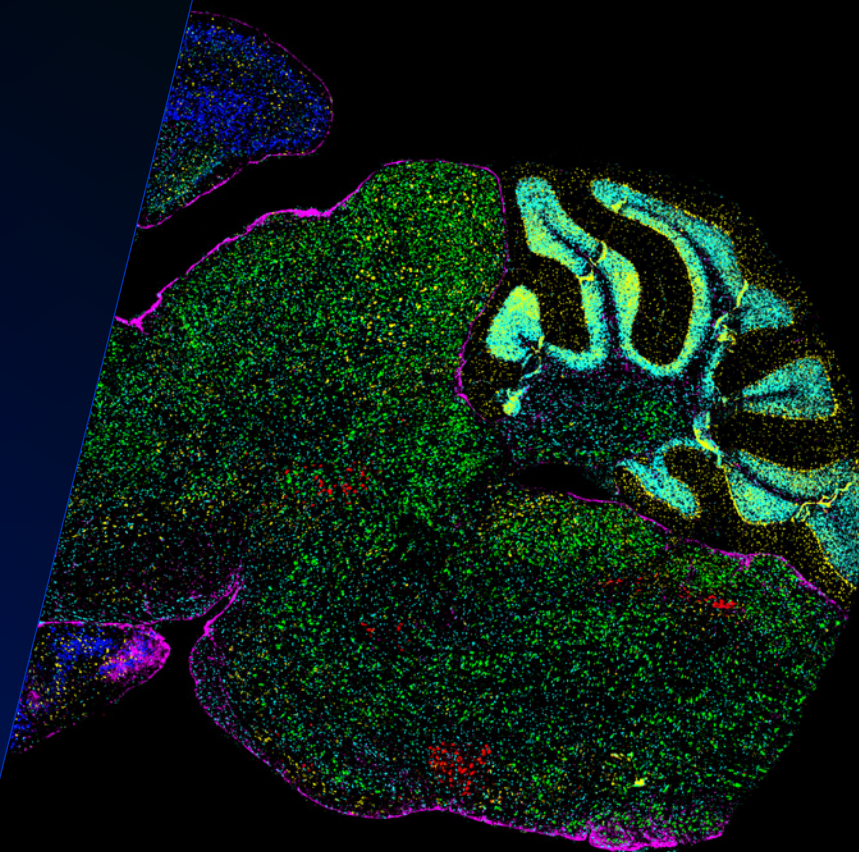


biotechne
spatial™

Integrating RNA and Protein Detection on *COMET*™

Discover Fully-Automated,
Same-Section, Spatial
Multiomics at Scale



A Fully-Automated Spatial Multiomics Workflow on COMET™ Using seqIF™ and RNAscope™ HiPlex Pro

From Probe Hybridization to a Ready-To-Use OME-TIFF Image

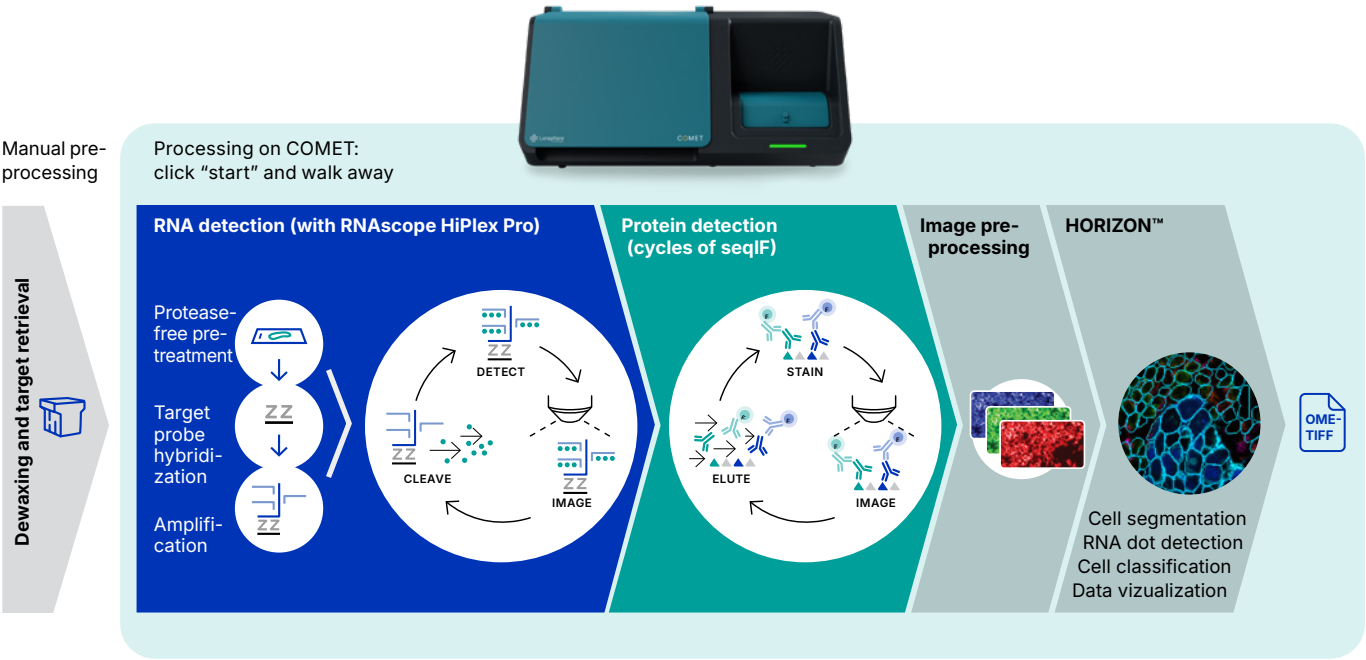
Simplify the study of cellular processes and disease mechanisms. Perform spatial multiomics from probe hybridization to image post-processing on up to four tissue slides with no user intervention. The streamlined, end-to-end COMET workflow ensures reproducibility and speed, while providing subcellular resolution.

Protease-Free RNA and Protein Detection in a Single Experiment

Co-detect RNA and protein on same-section tissue with high specificity. Combine any non-conjugated off-the-shelf primary antibody with RNAscope HiPlex Pro in a fully automated and protease-free workflow. Discover disease biomarkers with unmatched sensitivity, while preserving tissue morphology.

A Universal Platform From Discovery to Translational Research

From biomarker discovery to target validation, COMET platform from Lunaphore enables studies across fields including oncology, immunology, neuroscience, cell and gene therapy, infectious disease research and beyond, delivering insights from any animal tissue, including FFPE, fixed, and fresh frozen tissue samples.



RNA targets	9-12-plex RNA	5-8-plex RNA	1-4-plex RNA
Protein targets	24-plex protein	26-plex protein	28-plex protein

Oncology
Tumor heterogeneity
Biomarker validation
TME profiling

Immunology
Immune response activation
Antigen presentation
Immune niches
Cytokine signaling

Immuno-Oncology
Immune infiltration
Checkpoint expression
Tumor immunity

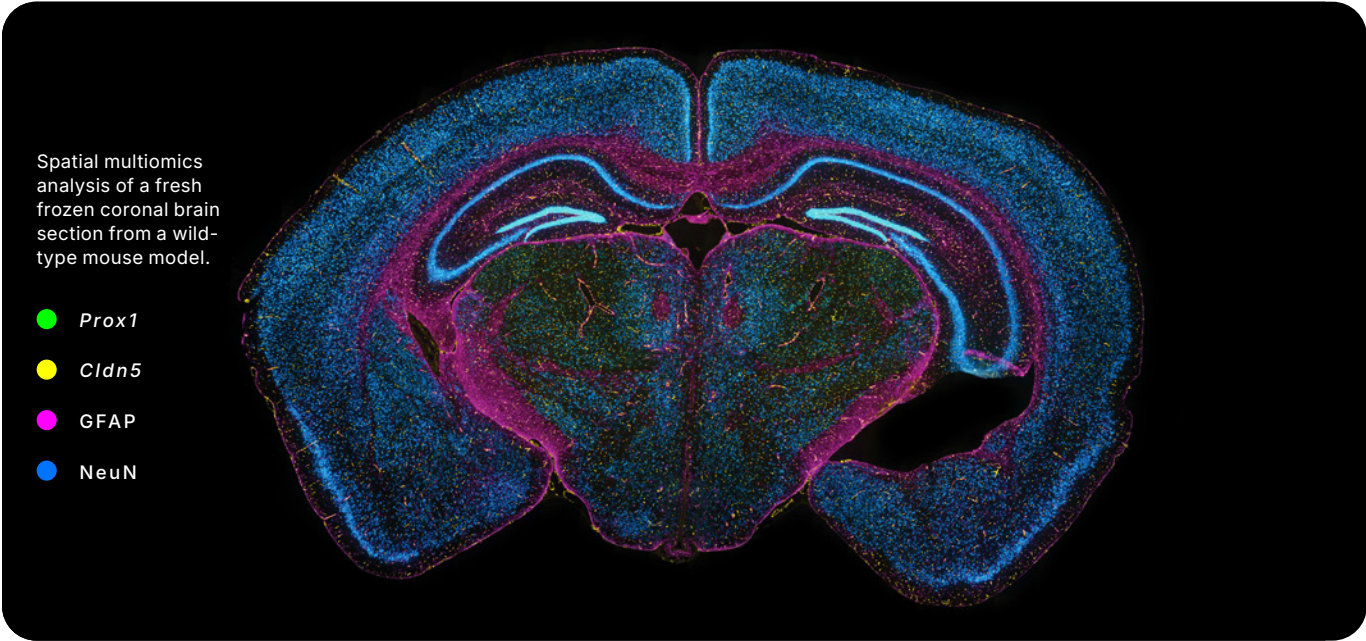
Neuroscience
Cell subtyping

Autoimmune Disorders
Immune infiltration
Immune dysregulation

Infectious Diseases
Host-pathogen interaction mapping
Interferon signaling

Hematopathology
Clonal detection
Disease classification

Universal Uses
Cell subtype and state identification
Signaling activity



COMET™ Staining and Imaging Platform
COMET performs cycles of RNA and protein detection, based on the seqIF™ technology, which supports the use of any off-the-shelf primary antibody.

- ✓ Instrument and control software with ready-to-use multiomics protocol template
- ✓ Choose from 450+ protocol recommendations
- ✓ Use standard, non-conjugated primary antibodies, providing freedom of antibody choice
- ✓ Characterize 10 new antibodies/week and add them to your marker library

RNAscope™ HiPlex Pro for COMET
RNAscope is the pioneering spatial transcriptomics technology with an extensive library of probes that have been featured and validated in over 11,000 peer-reviewed publications across a range of research areas.

- ✓ Protease-free workflow
- ✓ Two kit formats 12-plex RNA targets
- ✓ Compatible with FFPE, fresh and fixed frozen tissue sections
- ✓ Select previously designed or made to-order probes for virtually any gene of interest

Discover the Power of Spatial Multiomics in Your Research



Learn more about spatial
multiomics on COMET™

Scan the QR code or visit us at
lunaphore.com/multiomics/

biotechne spatial

For Research Use Only. Not for use in diagnostic procedures.

Bio-Techne Spatial™ and Bio-Techne® are trademarks or registered trademarks of Bio-Techne Corporation and affiliated entities. All other trademarks, service marks, and trade names are the property of their respective owners. Any use of third-party names, logos, or marks does not imply affiliation, sponsorship, or endorsement. © 2026 Bio-Techne.

50002.2.0726