

Pre-designed Gene Panels: Accelerate Discovery with Expert-Curated Content

Fast. Reliable. Ready-to-Run.

Our Pre-designed Panels put expert-validated gene content at your fingertips, so you can focus on your science, not panel design.

Why Choose a Pre-designed Panel?



Focus on Biology, Not Panel Design

Our panels are expertly curated around key biological themes - Oncology, Neuroscience, Immunology, and more, ensuring inclusion of the most relevant marker genes and pathways to support your research goals.



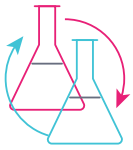
Start Experiments Sooner

Skip the time-consuming design process. Our Pre-designed Panels are validated and ready-to-run, getting you from idea to data faster.



Optimized for Performance

Built and validated for maximum performance on the MERSCOPE Ultra™ Platform, these panels deliver robust, high-quality data, minimizing signal noise and maximizing transcript detection.



Standardization Across Labs

Enable cross-study and multi-site comparability with a shared, standardized gene list that minimizes variability and ensures consistent, reproducible results.



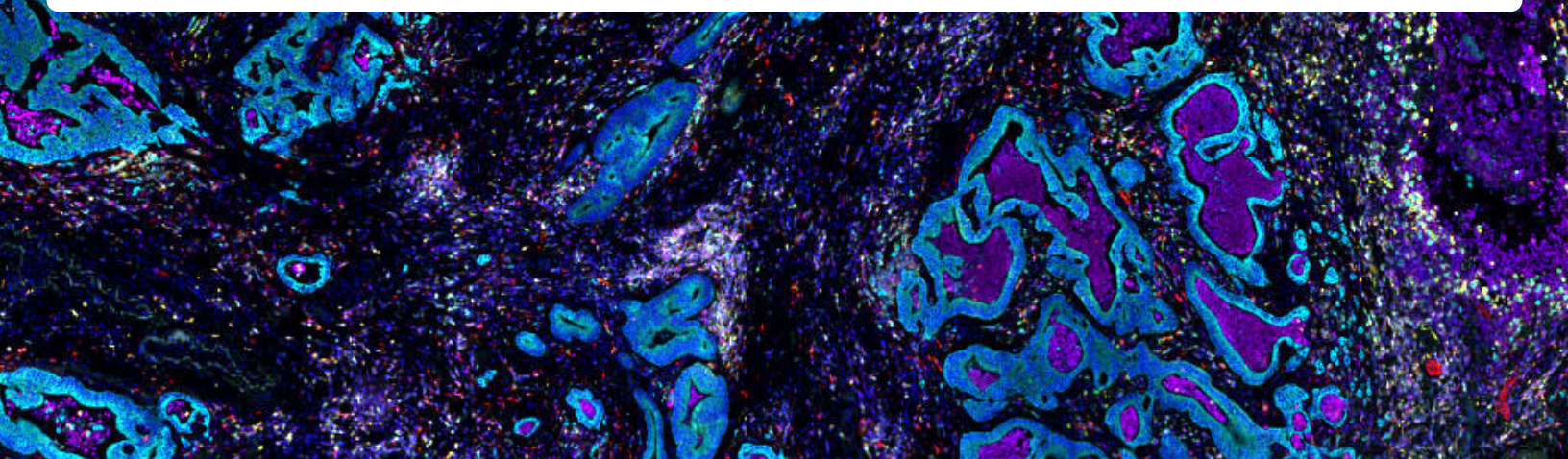
Cost-Effective and Scalable

With no custom design or validation costs, pre-designed panels offer a smart solution for both pilot studies and large-scale projects.



Ideal for New Users and Established Labs

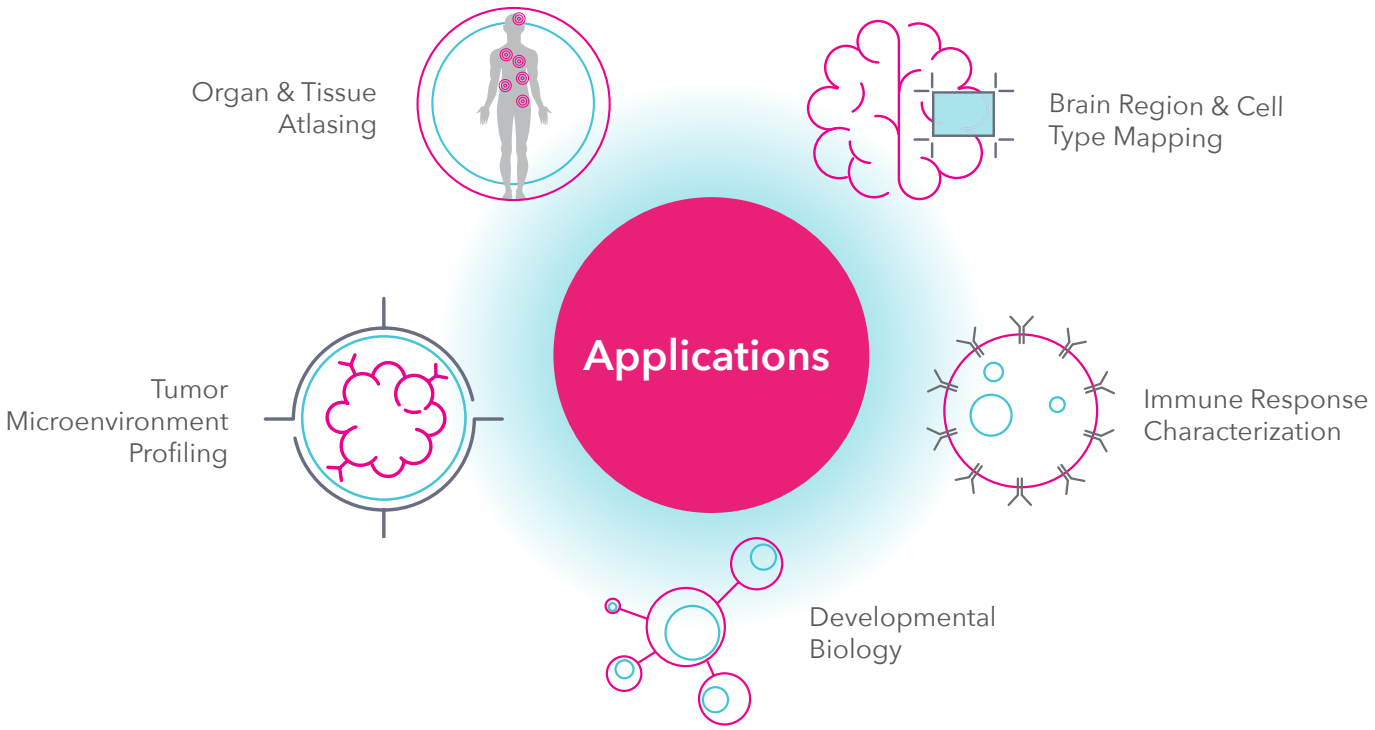
Whether you're new to spatial transcriptomics or scaling up your efforts, our panels provide a plug-and-play experience with full support and example datasets to get you started.



"Pre-designed panels make MERFISH 2.0 faster and more accessible for groups that are new to the technology and exploring spatial biology. They're quick to order, easy to implement, and backed by Vizgen's expert design, ensuring smooth data analysis."

Christina E Baer Ph.D., Associate Professor, UMass Chan Medical School

Save on Custom Design Time & Costs. Compatible with both FFPE and Fresh Frozen Formats.



Panels Available (growing list)

Panels	Size	Reactions
MERSCOPE Mouse Pan Neuro Panel 815 Gene, V 2.0	Small	4 Standard Slides or 2 Large Slides
MERSCOPE Pan Mouse Panel 815 Gene, V 2.0		
MERSCOPE Human Immuno Oncology Panel 815 Gene, V 2.0		
MERSCOPE Human Brain Panel 815 Gene, V 2.0	Large	10 Standard Slides or 5 Large Slides
MERSCOPE Human Breast Cancer Panel 815 Gene, V 2.0		

Contact us to learn more.
info@vizgen.com

Don't see a gene panel that fits your research?

We can custom design a panel tailored to your specific research needs. Contact us today to discuss your project and explore a personalized solution.

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