Vizgen MERSCOPE™ Predesigned Panels

Explore new dimensions through spatial context with MERSCOPE

vizgen

MERSCOPE Predesigned Gene Panels

Designing gene panels that adequately capture key marker genes, incorporate necessary genes to enable cell typing and investigation of cellular functional states can be difficult and time consuming. Vizgen's Presdesigned Gene Panels for the MERSCOPE™ Platform significantly decrease startup time and provide a cost-effective option for starting your MERFISH journey.

DRIVE TOWARDS SPATIAL DISCOVERIES WITH VIZGEN'S PREDESIGNED GENE PANELS

MERSCOPE Predesigned Gene Panels

Scientifically Robust Gene Lists – Gene lists compiled using peer reviewed literature and highly cited databases.

Ready to Use – Curated panels provide quick access to MERFISH experiments.

Ordering Flexibility – Available in multiple sizes to support pilot studies or long term projects.

MERFISH Quality – Leveraging high quality MERFISH chemistry in predesigned gene panels.

Expanding Catalog – Robust pipeline of upcoming application and tissue specific MERSCOCPE Predesigned panels.

Scan QR code to see more details on Vizgen's Predesigned Panels

ENABLE YOUR SPATIAL GENOMICS RESEARCH

MERSCOPE PanCancer Pathways Panel – 500 Genes

Investigate cancer signaling pathways in various cancer types

Vizgen's PanCancer Pathways Panel, derived from reputable oncology databases, enables comprehensive characterization of human tumor behavior in various cancers through a curated gene list targeting canonical signaling pathways.

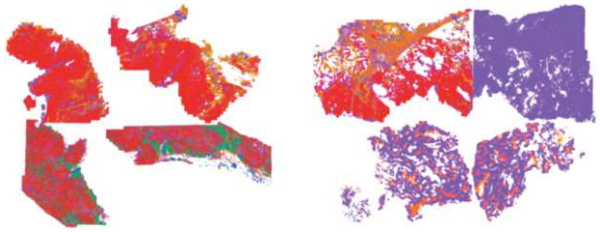

Figure A. UMAP cell clustering in Breast (left) and Lung (right) Cancer tissues.

MERSCOPE Immuno-Oncology Panel – 500 Genes

Profile tumor and immune behavior across multiple cancer types

Vizgen's Immuno-Oncology Panel, crafted with insights from cutting-edge literature, features essential cancer and immune genes. It enables the study of the intricate tumor-immune system interplay in the human tumor microenvironment.

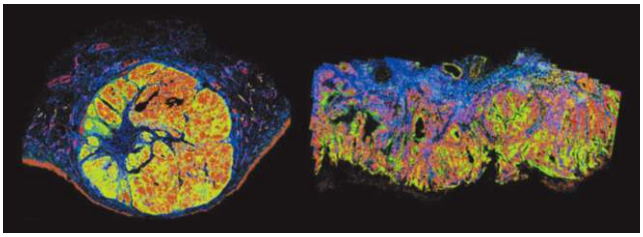

Figure B. Spatial distribution of identified cell types across different FFPE tumor samples. Melanoma (left) and Colon (right).

MERSCOPE PanNeuro Cell Type Panel – 500 Genes

Explore and subtype neuronal signaling, activity, and interactions

Vizgen's PanNeuro Cell Type Panel, based on published datasets, enables the identification of major cell types and neuron subtypes in the mouse brain while also probing neuronal signaling, activity, and interactions at subcellular levels.

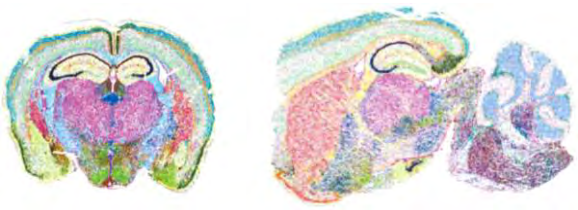

Figure C. Plotting the spatial distribution of all cell clusters on one coronal (left) and one sagittal (right) section.

MERSCOPE Predesigned Panel Pack Size Options

Pack Size	Reactions
Small	**4** Fresh Frozen or Fixed Frozen Reactions or **2** FFPE Reactions
Large	**12** Fresh Frozen or Fixed Frozen Reactions or **6** FFPE Reactions

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