

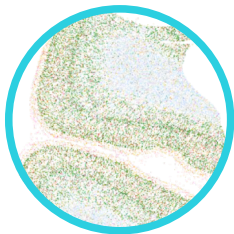
Vizgen MERSCOPE™ 1000 Plex Gene Product Solution

Dive Deep with MERSCOPE Spatial Omics

MERSCOPE 1000 Plex Gene Panel Solution

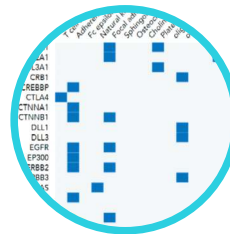
Spatial transcriptomics provides powerful insights into complex biology but can be limited by the maximum number of target genes detected. Vizgen's 1000 gene panel solution for the [MERSCOPE Platform](#) solution expands gene target capabilities without compromising data quality, enabling researchers to dive deeper into biological systems. The MERSCOPE 1000 Gene Panel sets a new standard that allows researchers to generate more spatial transcriptomics data all while maintaining class-leading sensitivity, accuracy, and specificity.

Dive Deeper with the MERSCOPE 1000 Gene Panel



Unravel Complex Biological Processes

Analyzing a higher number of genes enables a more detailed examination of multiple biological pathways.



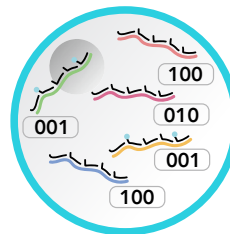
Flexibility in Selecting Genes of Interest

Include all genes of interest with the greater flexibility that comes with the MERSCOPE 1000 Gene Panel.



Deeper Cell Typing

Targeting a higher number of genes to accurately identify and characterize diverse cell populations.



MERFISH Technology

Utilize MERFISH to target 1000 genes and generate comprehensive spatial genomics datasets.



全新「MERSCOPE 1000 Gene Panel」
助您取得 1000 個基因的空間轉錄體學
數據

Scan QR code to discover more on MERSCOPE 1000 Gene Panel

Expand Your Limits with MERSCOPE 1000 Plex

Vizgen's MERSCOPE 1000 Gene Panel and MERSCOPE 1000 Gene Imaging Kit provides researchers with the ability to double their gene targets while maintaining high sensitivity, accuracy, and specificity.

Generate Meaningful Data at High Plex

High Specificity

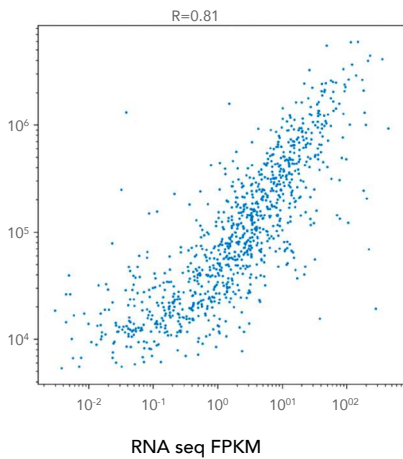


Figure 1. Scatter plot showing the correlation between transcript counts of a custom 1000-gene MERSCOPE experiment from a coronal mouse brain section and mouse brain bulk RNA-seq data.

High Sensitivity

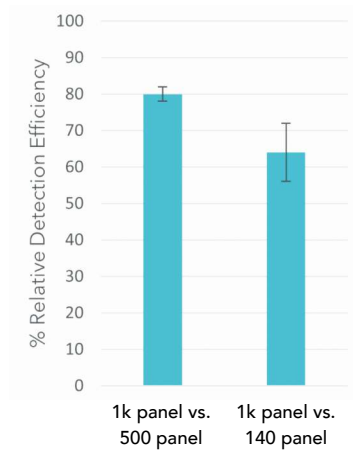


Figure 2. Relative detection efficiency of genes shared between 1000 gene panel and 500 and 140 gene panels.

High Detection Efficiency

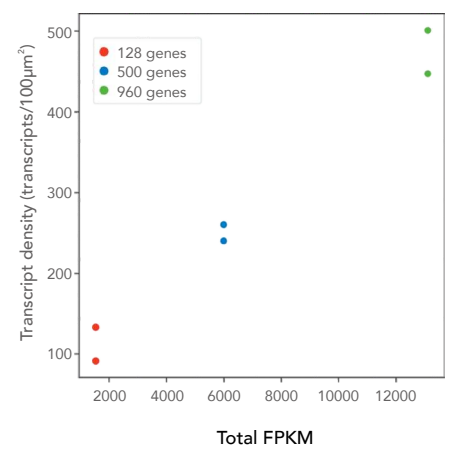


Figure 3. Scatter plot showing the relationship between transcript density and total gene abundance measured as FPKM from bulk sequencing using a 1000 gene panel (green), 500 gene panel (blue), and 140 gene panel (red).

MERSCOPE 1000 Gene Panel Order Information

Cat. No.	Product Name	Description
10400147	MERSCOPE 1000 Gene Panel*	MERSCOPE 1000 Gene Panel allows the detection of 960 transcripts in a single MERSCOPE experiment
10400148	MERSCOPE 1000 Gene Imaging Kit	MERSCOPE 1000 Gene Imaging Kit provides the 1000 Gene Imaging Cartridge that enables 1000 Gene Panel experiments on the MERSCOPE

*Provides enough material for 20 Fresh Frozen / Fixed Frozen reactions or 10 FFPE reactions.

Learn more at Vizgen.com

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