Targeted RNA panels for NGS, 4/16

Qiagen introduced more than 170 new QIAseq Targeted RNA Panels for gene expression profiling. The panels enable researchers to select from more than 20,000 human genes and lncRNA to survey expression fold changes and discover interactions between genes, cellular phenotypes, and disease processes.

The RNA panels use innovative molecular barcode technology and built-in control assays to empower researchers with true digital RNA sequencing and accurate gene expression results. Coupled with RNA isolation technologies, integrated NGS library preparation, and Ingenuity Pathway Analysis software, the panels provide a sample-to-insight solution for RNA sequencing, using any NGS sequencer. Data analysis and insights are integrated into the panels with easy-to-use, comprehensive analysis modules.

The panels cover an extensive range of disease- and signaling pathway-focused genes, with each panel targeting 100 to 500 genes, and can be customized to include other genes of clinical and biological interest. The panels use 20 ng of starting RNA material and have the flexibility to analyze from 12 to 1,000 genes simultaneously.

The molecular barcode technology, proprietary assay design algorithms, and chemistry provide industry-leading specifications: >97 percent specificity (reads on target), >95 percent uniformity (bases covered by at least 20 percent of the mean coverage depth), and sensitivity to detect one RNA copy per cell for QIAseq RNA panels.

***Qiagen**, 240-686-7425*