

Qiagen launches panels for simultaneous DNA, RNA analysis

Nov. 7, 2019—[Qiagen](#) introduced its QIAseq Multimodal Panels, which offer a consolidated workflow to simultaneously enrich DNA variants, RNA fusions, and gene expression levels from a single sample, with input as low as 10 ng of total nucleic acid. It reduces the workflow to approximately nine hours by eliminating the need for two workflows for library preparation from separate DNA and RNA samples.

“This new combined solution enabled us to gain additional insight from the same sample without a major increase in turnaround time,” Vincent Funari, PhD, vice president of research and development at NeoGenomics Laboratories, an early-access customer of QIAseq Multimodal, said in a Qiagen press release. “Having both genomic and transcript-level information allowed our laboratory to derive integrated insights while streamlining our implementation, scaling up the analysis to address new needs, saving staff time compared to the of running separate sequencing workflows.”

Laboratories will be able to interrogate samples for a range of nucleic acid biomarkers, such as single nucleotide variants, copy number variants, indels, RNA fusions, exon skipping events, and gene expression levels. This capability can be extended to applications such as tumor mutational burden and microsatellite instability profiling.