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Qiagen and Element Biosciences to offer complete next-generation sequencing workflows for AVITI System

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Partnership to accelerate discovery, enhance cost efficiencies, and improve turnaround times for genomic applications in the scientific community



Qiagen and Element Biosciences, Inc. have announced a strategic partnership to offer comprehensive next-generation sequencing (NGS) workflows for the AVITI System, an innovative sequencing platform based on Element's novel Avidity sequencing chemistry.

Element's AVITI System, a flexible benchtop sequencer with industry-leading performance and cost, delivers high quality, affordable data for any application, at a range of scale. For customers using the AVITI System, Qiagen provides Sample to Insight NGS workflows with validated QIAseq panels and integrated bioinformatic solutions, including CLC LightSpeed and QCI Interpret software.

Qiagen's QIAseq panels enable efficient and accurate NGS library preparation. The QIAseq miRNA Library Kit, the QIAseq xHYB Actionable Exome Panel, and the QIAseq Targeted DNA Pro Panel have been validated on the AVITI sequencer with robust performance, high specificity, and coverage uniformity, as well as consistent variant detection.

LightSpeed, a new module for Qiagen CLC Genomics Workbench Premium, enables AVITI System users to perform cost-effective whole genome sequencing (WGS) secondary analysis with exceptional runtimes. QCI Interpret, a fully customisable software solution, facilitates NGS variant interpretation and reporting for oncology and hereditary applications, with over 3 million reports issued.