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Agilent's launches SureSelectQXT reagent kit

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Singapore: Global supplier company, Agilent Technologies, has launched SureSelectQXT Reagent Kit, a next-generation sequencing target enrichment solution that produces sample-to-sequencing-ready libraries in seven hours with around 50 ng of input gDNA.

Designed to meet the exacting needs of clinical researchers for a fast, easy, same-day sample-to-sequencing workflow, SureSelectQXT kits are three times faster than existing transposase-based methods and require 30 percent less hands-on time, according to the company. They are optimized for use with samples of limited availability and provide superior coverage of genomic targets for confident variant calling.

"We are excited to provide this fast, powerful new target enrichment solution to the clinical research community," said Mr Victor Fung, senior director, global marketing for Agilent's Diagnostics and Genomics Division. "With SureSelectQXT Reagent kits, researchers can quickly analyze exomes or target-specific genes with superior variant calling accuracy, and go from sample to sequencing in the same day."

SureSelectQXT kits' speed is achieved by coupling transposase-based library preparation with major advancements in hybridization chemistry, significantly decreasing hybridization time from 16 hours to 90 minutes while maintaining high performance. The kits' proven hybridization technology enables the sensitivity and specificity required for the complete and accurate variant analysis of exomes or custom genomic regions. The kits are complemented by an extensive portfolio of target enrichment solutions for library preparation, capture, automation, quality control and data analysis needs.

SureSelect enables a complete solution for researchers to quickly and easily analyze specific regions of the genome, transcriptome and methylome. As part of the complete solution, SureSelect is supported by SureDesign software that enables custom capability; Bravo automation platforms that enable reproducibility and high-throughput sample processing; and SureCall software that enables quick, easy, streamlined analysis of genomic regions of interest.