Discover More with Greater Performance and Specificity

Agilent’s SureSelect Strand Specific RNA Library Preparation Kit offers a highly sensitive, strand-specific method for preparing libraries for whole transcriptome or targeted RNA-seq. The RNA library prep kit provides high strand specificity with greater uniformity of coverage across the entire transcript, enabling a greater understanding of gene regulation. It also provides unmatched accuracy for better discovery of novel transcripts and gene fusions. The kit has been designed to maintain high library complexity even with small amounts of starting material, as low as 50ng of total RNA, for studies with limited samples amounts.

Agilent SureSelect Strand Specific RNA Library Preparation Kit
• High strand specificity for greater understanding of gene regulation
• Greater library complexity using small amounts of starting material
• Improved uniformity of coverage and less 5’/3’ bias

Figure 1. The SureSelect Strand Specific RNA Library Prep Kit shows better coverage across the entire transcript compared to other competitor kits.
Complete Kits for RNA-Seq and Gene Regulation Studies

Next Generation Sequencing for studying gene regulation is becoming widely adopted and strand specific information can greatly enable further understanding. The SureSelect Strand Specific RNA Library Prep Kit has also been designed to be as complete as possible, including master-mixed reagents and streamlined workflow for less hands-on-time and faster time to results. The SureSelect RNA-Seq Library Preparation Kit is an integral part of Agilent’s complete NGS Gene Regulation solutions, including SureSelect RNA Target Enrichment, SureSelect Human Methyl-Seq, and GeneSpring NGS data analysis.

Figure 2. The SureSelect RNA-Seq Library Preparation Kit can be used for whole transcriptome or targeted RNA-Seq Analysis. Target enrichment results using the Human RNA kinase kit are shown using tumor-normal pairs.

Figure 3. RNA-Seq results show high correlation to microarray data, using the same samples and only 50 ng of input. High correlation enables easier follow up or validation using complementary methods.