

Agilent Technologies

NEXT-GENERATION SEQUENCING

SURESELECT & HALOPLEX

**NGS TARGET
ENRICHMENT**

FROM SAMPLE TO ANALYSIS



SureSelect

Complete Solutions by Agilent's SureSelect
The Leader in NGS Target Enrichment

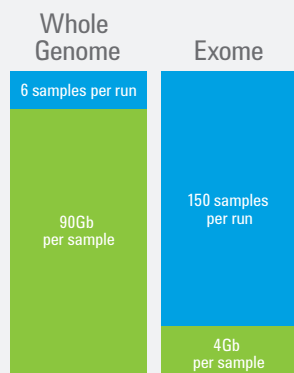
The Best Performing All Exon Kits

- Highest uniformity for the lowest sequencing per exome
- Samples ready for sequencing the next day
- Designed to the most updated databases



SureSelect kits have everything you need—including reagents for library prep and target enrichment.

EXOME CAPTURE ENABLES MORE SAMPLES PER RUN



Exome sequencing requires ~23x less sequencing—allowing 25x greater sample throughput and faster time to discovery.



Agilent SureSelect is cited in more peer-reviewed publications than all other target enrichment solutions combined.

Human All Exon V5 and V5+UTRs

- Only 4 Gb of sequencing required for Human All Exon V5 and 6 Gb for V5+UTRs
- Overnight hyb enables samples to be ready for sequencing in 1.5 days
- Greater sample throughput allows studies to be completed faster

Flexible Custom Solutions

- Target enrichment of DNA and RNA
- Flexibility to capture from <500 kb to 24 Mb
- Easy design process using SureDesign

The First Complete Methylation Discovery System—SureSelect^{XT} Human Methyl-Seq

- Reveals more information than methylation microarrays by detecting individual CpGs
- Increases throughput, reduces costs compared to Whole Genome Bisulfite Sequencing
- Reveals methylated regions undetected by RRBS and Me-Dip

Revolutionize Your Desktop Sequencing Workflow

Complete Target Enrichment in Less Than 6 Hours

- Capture up to 5 Mb without sacrificing performance
- Scale up to 96 samples in less than a day with Agilent automation
- Over 200,000 amplicons in a single tube
- Superior coverage for comprehensive mutation detection
- Compatible with Illumina and Ion Torrent Platforms



Easily Create your Own Panels in Less Than 5 Minutes with SureDesign

Three steps from sample to sequencer:



Transforms Your NGS Design Experience

3 steps to create a design for SureSelect or HaloPlex

Collaboration tools enabling sharing of pre-designed panels

Catalog and custom designs

agilent.com/genomics/suredesign





Boost Sample Throughput 10x with NGS Workstation!

- Automate virtually every step of the workflow, including: plate handling, library prep, SPRI purification, capture
- Reduce variability and improve efficiency at any scale
- Plug-and-play with preprogrammed target enrichment protocols—no downtime for methods development and programming

www.agilent.com/genomics/automation



Agilent 2200 TapeStation

Agilent 2100 Bioanalyzer

Agilent 2100 Bioanalyzer and 2200 TapeStation: Sample and Library QC

The Agilent 2100 Bioanalyzer and 2200 TapeStation make it easy to verify the quality of your DNA or RNA library to ensure yield, fragment size, and fragment homogeneity before moving to target enrichment or sequencing.

www.agilent.com/genomics/bioanalyzer
www.agilent.com/genomics/tapestation



GeneSpring NGS Data Analysis Software: Optimized for SureSelect

Easily and reliably identify variants in your sequencing data, including Methyl-Seq.

www.agilent.com/genomics/genespring

For more information

Learn more or buy online:

www.agilent.com/genomics/ngs

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Target Enrichment Solutions.



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