

DISCOVER MORE FASTER

SURESELECT HUMAN ALL EXON V5

The Best Performance, with
Greater Sample Throughput

Highlights

- Requires as little as 100 ng sample input
- Less sequencing requirement, only 4 Gb for V5 exome
- Samples ready for sequencing in only 1.5 days

Discover More with Greater Performance and Speed

SureSelect Human All Exon V5 and V5+UTRs use the most proven target enrichment technology to provide outstanding performance and faster time to results. An improved workflow with fast overnight hybridization has been developed to allow samples to be ready for sequencing in only 1.5 days. Human All Exon V5 and V5+UTRs have also been designed for greater sequencing efficiency, enabling higher sample throughput and lowers overall costs.

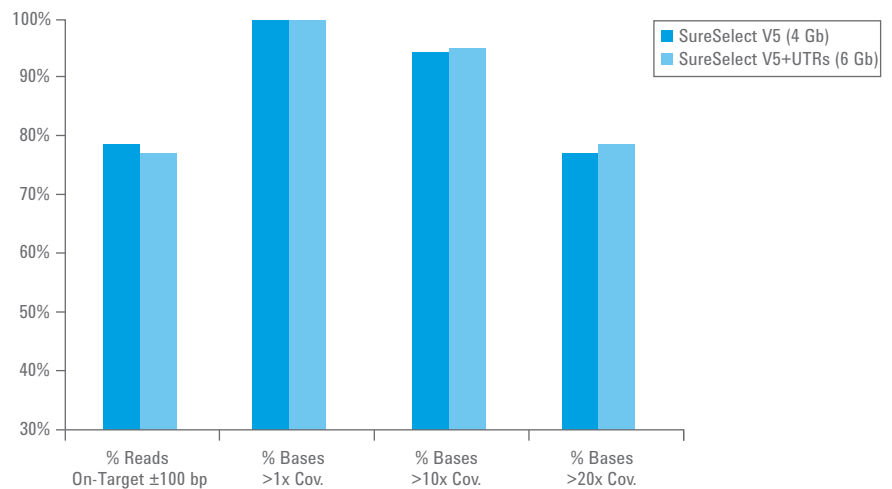


Figure 1. SureSelect Human All Exon V5 and V5+UTRs demonstrate the best performance and greater uniformity. Samples are ready for sequencing in only 1.5 days.



Outstanding Performance and the Most Efficient Workflow

Human All Exon V5 and V5+UTRs have been designed to provide the greatest workflow efficiency. An overnight 16 hour hybridization protocol can produce samples ready for sequencing in only 1.5 days. Human All Exon V5 also requires less sequencing per sample to provide greater throughput and faster time to results, up to 2.5 faster than other exomes.

Greater Coverage with Less Sequencing

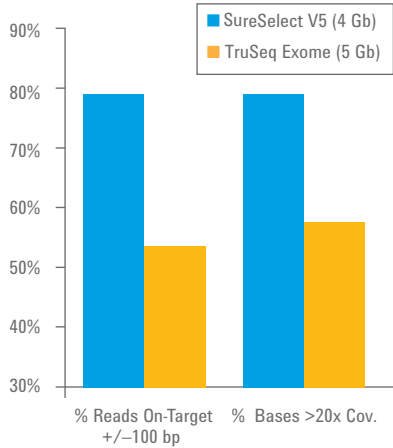


Figure 2. SureSelect Human All Exon V5 demonstrate superior performance. Other exomes require 10 Gb or more for equivalent coverage.

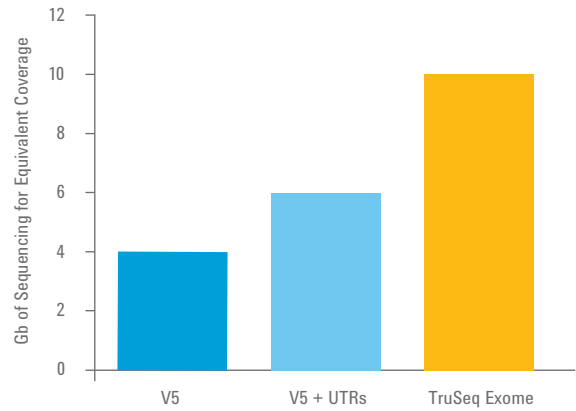


Figure 3. SureSelect Human All Exon V5 and V5+UTRs require significantly less sequencing compared to other exomes to obtain equivalent coverage, up to 60% less.

	Parameter	All Exon V5	All Exon V5+UTRs
Design Details	Target Size	50 Mb	75 Mb
	# Genes	21,522	21,522
	# Targeted Exons	357,999	359,555
Workflow Details	Amount of Seq. (total)	4 Gb	6 Gb
	Overall Workflow	1.5 days	1.5 days
	Add Custom Content	Yes	No

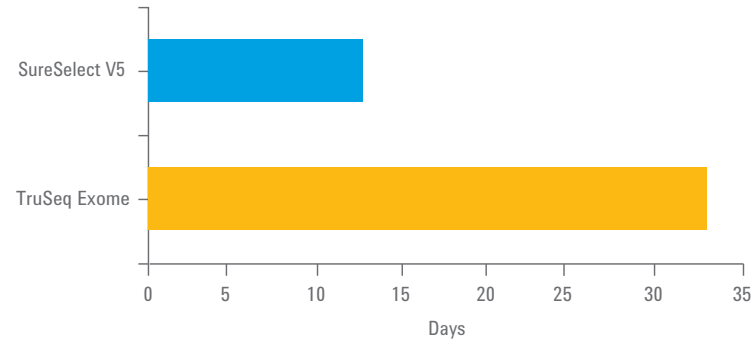


Figure 4. The chart represents the sequencing time of 150 samples, based on 4 Gb of sequencing per sample, compared to 10 Gb per sample for TruSeq exomes.

www.agilent.com/genomics/sureselect

For Research Use Only. Not for use in diagnostic procedures.
This information is subject to change without notice.

© Agilent Technologies, Inc. 2013, 2016
PR7000-0497
Published in the USA, May 16, 2016
5990-9857EN