

Key Features

- Widest range of target sizes captured, from < 200Kb – 50Mb
- Only 3µg input gDNA required
- Run up to 12 indexes or 96 individual samples per run
- Single and paired-end sequencing products available
- Pair exon discovery results with Custom SureSelect and microarray designs, for validation and profiling of genetic variants
- Use eArray for easy customization

Agilent SureSelect Target Enrichment System

Optimized for Illumina systems

Harness the full power of your next gen sequencing studies by coupling SureSelect with the Illumina System. Identify SNPs and other genetic variants at a scale never before possible. Focused resequencing is now easier than ever, with a complete portfolio of target enrichment tools to increase throughput while bringing down your sequencing costs.

SureSelect uses 120 bp RNA oligos for the most efficient capture of specific subsets of the genome, with great coverage uniformity and high alignment rates. Single tube reactions readily enable scalability and automation. Custom content is easily designed through eArray, our online design application.

Human All Exon Kits:	Capture the entire human exome in a single tube
Human All Exon Plus Kits:	Add custom content to the Exon Kits
Custom SureSelect Kits:	Capture up to 6.8Mb of genomic targets with one kit
Indexing Kits:	Run even more samples while lowering reagent costs

Efficient, Effective Capture

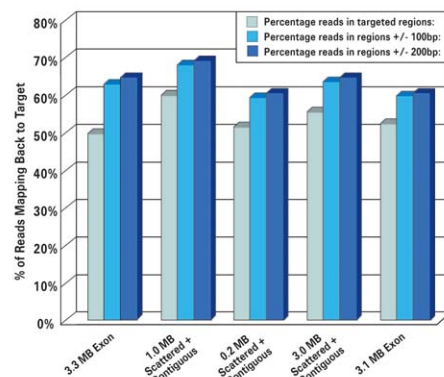


Figure 1

SureSelect target enrichment robustness across a range of custom designs, using the paired-end sequencing protocol

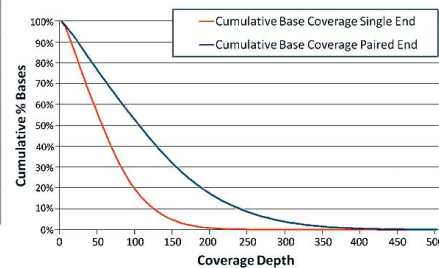


Figure 2

SureSelect target base coverage for both paired-end and single-end sequencing



SureSelect Target Enrichment Platform Product List

Custom Products	SureSelect Custom and Multiplexing Kits				
	Target Size				
Reactions/Kit	<200Kb (MP1)	200Kb - 499Kb (MP2)	500Kb - 1.49Mb (MP3)	1.5Mb - 2.99Mb (MP4)	3.0Mb - 6.8Mb
5	-	-	-	-	-
10	G3360A	G3360A	G3360A	G3360A	G3360A
25	-	-	-	-	G3360B
50	-	-	-	-	G3360C
100	G3360K	G3360O	G3360S	G3360W	G3360D
250	G3360L	G3360P	G3360T	G3360X	G3360E
500	G3360M	G3360Q	G3360U	G3360Y	G3360F
1000	G3360N	G3360R	G3360V	G3360Z	G3360G
2000	-	-	-	-	G3360H
5000	-	-	-	-	G3360J

Catalog Products	SureSelect Human All Exon Products		
	Human All Exon	Human All Exon Plus	Human All Exon 50Mb
5	G3362A	G3363A	G3370A
10	G3362B	G3363B	G3370B
25	G3362C	G3363C	G3370C
50	G3362D	G3363D	G3370D
100	G3362E	G3363E	G3370E
250	G3362F	G3363F	G3370F
500	G3362G	G3363G	G3370G
1000	G3362H	G3363H	G3370H
2000	G3362J	G3363J	G3370J
5000	G3362K	G3363K	G3370K
10000	G3362L	G3363L	G3370L

Option Codes	Description
001	Illumina GA Format
005	Custom reorder
010	Single-End Format for Illumina GA
011	Paired-End Format for Illumina GA
Multiplexing Option Codes	Description
G3360A (10 rxn kit) - 012, 017	3.0 - 6.8Mb
G3360A (10 rxn kit) - 013	<200Kb
G3360A (10 rxn kit) - 014	200 - 499Kb
G3360A (10 rxn kit) - 015	500Kb - 1.49Mb
G3360A (10 rxn kit) - 016	1.5Mb - 2.99Mb
G3360B-J - 017	3.0 - 6.8Mb

For more information: www.agilent.com/genomics/sureselect

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