Next Generation Sequencing

Target Enrichment

Agilent
Trusted Answers

Catalog

NGS – Revolutionizing Clinical Research

In 2009, Agilent introduced SureSelect, the first target enrichment solution for next generation sequencing. It enabled cost-effective analysis of thousands of targets, a paradigm shift in the understanding of disease pathogenesis. Since then Agilent has become a leader in target enrichment solutions providing the complete solution from library prep, enrichment, sample quality control, automation and data analysis.

Library Preparation

For superior results - Agilent's reagents provide a complete validated solution

Learn More at:
www.agilent.com/
genomics/sureselect

SureSelect^XT HS Reagent Kits

SureSelect^XT HS joins the SureSelect library preparation reagent family as Agilent's highest sensitivity hybrid capture-based library prep and target enrichment solution for NGS, and it is optimized for FFPE samples with as little as 10 ng of input DNA.

Description	Kit Size	Part Number
SureSelectXT HS Reagent Kit, index 1-16		
+ 1-499 kb Target Enrichment Baits	16 rxn	G9704A
+ 0.5-2.9 Mb Target Enrichment Baits	16 rxn	G9704B
+ 3-5.9 Mb Target Enrichment Baits	16 rxn	G9704C
+ 6-11.9 Mb Target Enrichment Baits	16 rxn	G9704D
+ 12-24 Mb Target Enrichment Baits	16 rxn	G9704E
+ ClearSeq Comprehensive Cancer Target Enrichment Baits	16 rxn	G9704G
+ Clinical Research Exome v2 Target Enrichment Baits	16 rxn	G9704H
+ Clinical Research Exome v2 Plus Target Enrichment Baits	16 rxn	G9704J
+ Human All Exon v6 Target Enrichment Baits	16 rxn	G9704K
+ Human All Exon v6 Plus Target Enrichment Baits	16 rxn	G9704L
SureSelectXT HS Reagent Kit, index 17-32		
+ 1-499 kb Target Enrichment Baits	16 rxn	G9705A
+ 0.5-2.9 Mb Target Enrichment Baits	16 rxn	G9705B
+ 3-5.9 Mb Target Enrichment Baits	16 rxn	G9705C
+ 6-11.9 Mb Target Enrichment Baits	16 rxn	G9705D
+ 12-24 Mb Target Enrichment Baits	16 rxn	G9705E
+ ClearSeq Comprehensive Cancer Target Enrichment Baits	16 rxn	G9705G
+ Clinical Research Exome v2 Target Enrichment Baits	16 rxn	G9705H
+ Clinical Research Exome v2 Plus Target Enrichment Baits	16 rxn	G9705J
+ Human All Exon v6 Target Enrichment Baits	16 rxn	G9705K
+ Human All Exon v6 Plus Target Enrichment Baits	16 rxn	G9705L

SureSelect^{XT HS} Reagent Kits Cont.

Description	Kit Size	Part Number
SureSelectXT HS Reagent Kit, index 1-32		
+ 1-499 kb Target Enrichment Baits	96 rxn	G9706A
+ 0.5-2.9 Mb Target Enrichment Baits	96 rxn	G9706B
+ 3-5.9 Mb Target Enrichment Baits	96 rxn	G9706C
+ 6-11.9 Mb Target Enrichment Baits	96 rxn	G9706D
+ 12-24 Mb Target Enrichment Baits	96 rxn	G9706E
+ ClearSeq Comprehensive Cancer Target Enrichment Baits	96 rxn	G9706G
+ Clinical Research Exome v2 Target Enrichment Baits	96 rxn	G9706H
+ Clinical Research Exome v2 Plus Target Enrichment Baits	96 rxn	G9706J
+ Human All Exon v6 Target Enrichment Baits	96 rxn	G9706K
+ Human All Exon v6 Plus Target Enrichment Baits	96 rxn	G9706L

SureSelect^{XT} Low Input Reagent Kits

SureSelect^{XT} Low Input is a low-input, FFPE-optimized library preparation kit. Now with 96 sample barcodes, it is the newest of Agilent's SureSelect hybrid-capture based target enrichment solutions for NGS.

Description	Kit Size	Part Number
SureSelectXT Low Input Reagent Kit, index 1-96		
+ 1-499 kb Target Enrichment Baits	96 rxn	G9707A
+ 0.5-2.9 Mb Target Enrichment Baits	96 rxn	G9707B
+ 3-5.9 Mb Target Enrichment Baits	96 rxn	G9707C
+ 6-11.9 Mb Target Enrichment Baits	96 rxn	G9707D
+ 12-24 Mb Target Enrichment Baits	96 rxn	G9707E
+ ClearSeq Comprehensive Cancer Target Enrichment Baits	96 rxn	G9707G
+ Clinical Research Exome v2 Target Enrichment Baits	96 rxn	G9707H
+ Clinical Research Exome v2 Plus Target Enrichment Baits	96 rxn	G9707J
+ Human All Exon v6 Target Enrichment Baits	96 rxn	G9707K
+ Human All Exon v6 Plus Target Enrichment Baits	96 rxn	G9707L

SureSelect^{XT} Reagent Kits

The SureSelect^{XT} Reagent Kit enables post-capture pooling of enriched sequencing-ready libraries. This protocol provides the highest complexity libraries from either 200 ng or 3 µg of input DNA.

Description	Kit Size	Part Number
SureSelectXT Reagent Kit, HiSeq	16 samples	G9611A
	96 samples	G9611B
	96 auto	G9641B
SureSelectXT Reagent Kit, MiSeq	16 samples	G9612A
	96 samples	G9612B
	96 auto	G9642B

SureSelect^{XT2} Reagent Kits

The SureSelect^{XT2} Reagent Kit enables pooling of DNA libraries prior to capture, resulting in a streamlined protocol requiring less hands-on time. This protocol provides high complexity libraries from either 100 ng or 1 µg of input DNA.

Description	Kit Size	Part Number
SureSelectXT2 Reagent Kit, HiSeq	16 samples 96 samples 96 auto	G9621A G9621B G9661B
SureSelectXT2 Reagent Kit, MiSeq	16 samples 96 samples 96 auto	G9622A G9622B G9662B

SureSelect^{QXT} Reagent Kits

The SureSelect^{QXT} Reagent Kit is a transposase-based library prep and target enrichment solution that eliminates the need for a Covaris. It enables a 90-minute hybridization step, the fastest in the market, resulting in sequencing-ready libraries in less than a day. This protocol enables the generation of libraries from 50 ng of input, providing compatibility with samples of limited availability.

Description	Kit Size	Part Number
SureSelectQXT Reagent Kit	16 samples 96 samples	G9681A G9681B
SureSelectQXT Reagent Kit, NextSeq	16 samples 96 samples	G9683A G9683B

SureSelect^{QXT} Library Prep for Whole Genome Sequencing

The SureSelect^{QXT} Reagent Kit is a transposase-based library prep solution that eliminates the need for a Covaris. It is compatible with 50 ng of input gDNA and requires only 1.5 hours of hands-on time. This enables the generation of high-quality, sequencing-ready libraries that provide more uniform coverage of the genome, especially in challenging AT-rich regions.

Description	Kit Size	Part Number
SureSelectQXT Library Prep Kit	16 samples 96 samples	G9682A G9682B
SureSelectQXT Library Prep Kit, NextSeq	16 samples 96 samples	G9684A G9684B

Target Enrichment Baits

For superior performance – Choose the most proven, trusted choice in target enrichment

The SureSelect Human All Exon V6 is a high performing design that targets updated content, including challenging regions, from the databases relevant to both the clinical and translational researchers. Optimized bait selection and boosting enables highly uniform coverage of the exome and each individual targeted exon.

Learn More at:
www.agilent.com/
genomics/sureselect

Description	Kit Size	Part Number
SureSelectXT Human All Exon V6	16 samples	5190-8863
	96 samples	5190-8864
	96 auto	5190-8865
SureSelectXT Human All Exon V6+UTR	16 samples	5190-8881
	96 samples	5190-8882
	96 auto	5190-8883
SureSelectXT Human All Exon V6+COSMIC	16 samples	5190-9307
	96 samples	5190-9308
	96 auto	5190-9309
SureSelectXT Human All Exon V6 Plus 1	16 samples	5190-8866
	96 samples	5190-8867
	96 auto	5190-8868
SureSelectXT Human All Exon V6 Plus 2	16 samples	5190-8869
	96 samples	5190-8870
	96 auto	5190-8871
SureSelectXT2 Human All Exon V6	16 samples	5190-8872
	96 samples	5190-8873
SureSelectXT2 Human All Exon V6+UTR	16 samples	5190-8884
	96 samples	5190-8885
	96 auto	5190-9306
SureSelectXT2 Human All Exon V6+COSMIC	16 samples	5190-9310
	96 samples	5190-9311
	96 auto	5190-9312
SureSelectXT2 Human All Exon V6 Plus 1	16 samples	5190-8875
	96 samples	5190-8876
	96 auto	5190-8877
SureSelectXT2 Human All Exon V6 Plus 2	16 samples	5190-8878
	96 samples	5190-8879
	96 auto	5190-8880

Clinical Research Exome V2

CREV2 provides excellent coverage across the entire exome with close to 90% of bases covered at 20x. But the real performance enhancement is in 5,109 genes that have been associated with diseases. In these genes, more than 95% of the bases are covered at 20x, which ensures that variants in these genes will be robustly detected.

The Clinically relevant content was extensively curated by Emory University and the Children's Hospital of Philadelphia and added to the Human All Exon V6 as a base, making it the most comprehensive medical exome solution in the market today. It is the only exome on the market to come with a list of included genes and their evidence for disease relevance.

Description	Kit Size	Part Number
SureSelectXT Clinical Research Exome V2	16 reactions	5190-9491
	96 reactions	5190-9492
	96 reactions auto	5190-9493
SureSelectXT Clinical Research Exome V2 Plus 1	16 reactions	5190-9494
	96 reactions	5190-9495
	96 reactions auto	5190-9496
SureSelectXT Clinical Research Exome V2 Plus 2	16 reactions	5190-9497
	96 reactions	5190-9498
	96 reactions auto	5190-9499
SureSelectXT2 Clinical Research Exome V2	16 reactions	5190-9500
	96 reactions	5190-9501
	96 reactions auto	5190-9502
SureSelectXT2 Clinical Research Exome V2 Plus 1	16 reactions	5190-9503
	96 reactions	5190-9504
	96 reactions auto	5190-9505
SureSelectXT2 Clinical Research Exome V2 Plus 2	16 reactions	5190-9506
	96 reactions	5190-9507
	96 reactions auto	5190-9508

SureSelect Focused Exome

The SureSelect Focused Exome, with approximately 4,800 disease-associated genes and regions, is a highly targeted design that enables analysis of only the disease-associated targets, providing deep coverage even on a benchtop sequencer.

Description	Kit Size	Part Number
SureSelectXT Focused Exome	16 samples	5190-7787
	96 samples	5190-7788
	96 auto	5190-7789
SureSelectXT Focused Exome Plus 1	16 samples	5190-7790
	96 samples	5190-7791
	96 auto	5190-7792
SureSelectXT2 Focused Exome	16 samples	5190-7797
	96 samples	5190-7798
	96 auto	5190-7799
SureSelectXT2 Focused Exome Plus 1	16 samples	5190-7800
	96 samples	5190-7806
	96 auto	5190-7807

Custom SureSelect DNA Target Enrichment

Agilent's market-leading SureSelect platform provides a complete portfolio of catalog and custom products, providing the flexibility that you need from discovery to follow-up studies. Agilent's custom solutions allow you to target your regions of interest. Using our free design software, SureDesign, you can quickly go from concept to completed design with ease Learn more at: **earray.chem.agilent.com/suredesign/**

Be sure to order compatible **SureSelect**[XT] *or* **SureSelect**[XT2] *reagent kits! (see p.3-4)*

Description	Kit Size	Part Number
SureSelectXT Custom 1-499 kb	16 samples 96 samples 96 auto 480 samples	5190-4806 5190-4807 5190-4808 5190-4809
SureSelectXT Custom 0.5-2.9 Mb	16 samples 96 samples 96 auto 480 samples	5190-4816 5190-4817 5190-4818 5190-4819
SureSelectXT Custom 3-5.9 Mb	16 samples 96 samples 96 auto 480 samples	5190-4826 5190-4827 5190-4828 5190-4829
SureSelectXT Custom 6-11.9 Mb	16 samples 96 samples 96 auto 480 samples	5190-4836 5190-4837 5190-4838 5190-4839
SureSelectXT Custom 12-24 Mb	16 samples 96 samples 96 auto 480 samples	5190-4896 5190-4897 5190-4898 5190-4899
SureSelectXT2 Custom 1-499 kb	16 samples 96 samples	5190-4846 5190-4847
SureSelectXT2 Custom 0.5-2.9 Mb	16 samples 96 samples 480 samples	5190-4856 5190-4857 5190-4859
SureSelectXT2 Custom 3-5.9 Mb	16 samples 96 samples 480 samples	5190-4866 5190-4867 5190-4869
SureSelectXT2 Custom 6-11.9 Mb	16 samples 96 samples	5190-4876 5190-4877
SureSelectXT2 Custom 12-24 Mb	16 samples 96 samples 96 auto 480 auto	5190-4886 5190-4887 5190-4888 5190-4890

HaloPlex^{HS} Next Generation PCR

HaloPlex^{HS} target enrichment system is a high-sensitivity, amplicon-based targeted sequencing method based on the HaloPlex technology. It incorporates molecular barcodes into the DNA library, allowing for the identification of duplicate reads, hence significantly improving base calling accuracy even at low allelic frequencies (≥ 1%) or compared to conventional NGS methods.

Description	Kit Size	Part Number
HaloPlexHS 1-500 kb, ILM	48 samples 96 samples	G9931C G9931B
HaloPlexHS 501 kb - 2.5 Mb, ILM	48 samples 96 samples	G9941C G9941B
HaloPlexHS 2.6 Mb - 5 Mb, ILM	48 samples 96 samples	G9951C G9951B

SureSelect RNA Seq

Agilent's SureSelect Strand Specific RNA Library Preparation Kit is the highest sensitivity, strand-specific method for preparing libraries for whole transciptome seq or targeted RNA-Seq.

Description	Kit Size	Part Number
SureSelectXT RNA Direct	16 rxns 96 rxns	G7564A G7564B
SureSelect Strand Specific RNA Library	16 samples 96 samples	G9691A G9691B
SureSelectXT RNA Reagent Kit, ILM	16 samples 96 samples	G9692A G9692B

Custom SureSelect RNA Target Enrichment Baits

Agilent's custom solutions offer the only available method for target enrichment of RNA, allowing you to target your regions of interest using eArray, our free web portal.
Learn more at: **earray.chem.agilent.com/suredesign/**

Description	Kit Size	Part Number
SureSelect RNA Capture 1-499 kb	16 samples 96 samples 480 samples	5190-4934 5190-4935 5190-4937
SureSelect RNA Capture 0.5-2.9 Mb	16 samples 96 samples 480 samples	5190-4944 5190-4945 5190-4947
SureSelect RNA Capture 3-5.9 Mb	16 samples 96 samples 480 samples	5190-4954 5190-4955 5190-4957
SureSelect TE RNA Reagent Kit, HiSeq	16 samples 96 samples 480 samples	G9601A G9601B G9601C

SureSelect Methyl Seq

Agilent SureSelect^{XT} Human Methyl-Seq is the first comprehensive target enrichment system to enable researchers to focus on the regions where methylation is known to impact gene regulation. It targets the most complete content for methylation sequencing, including cancer tissue-specific DMRs, GENCODE promoters, CpG islands, shores and shelves ±4 kb, DNase I hypersensitive sites and RefGenes.

Description	Kit Size	Part Number
SureSelectXT Methyl-Seq Reagent Kit, HiSeq	16 samples 96 samples 480 samples	G9651A G9651B G9651C
SureSelectXT Human Methyl-Seq	16 samples 96 samples 480 samples	5190-4661 5190-4662 5190-4663
SureSelectXT Mouse Methyl-Seq Reagent Kit	16 samples	931052
SureSelectXT Rat Methyl-Seq Reagent Kit	16 samples 96 samples	931143 931144

ClearSeq Cancer and Constitutional Research Panels

The ClearSeq cancer research panels are catalog designs focused on targeted gene sets for detection of somatic variants in solid tumors and hematological cancers. Developed in collaboration with leading cancer research experts, these cancer research panels enable clinical researchers to confidently identify mutations, indels and gene fusions from FFPE and blood samples.

Developed in collaboration with leading medical genetics experts, the constitutional panels provide deep coverage of targets, enabling clinical researchers to confidently identify mutations, indels and CNVs.

Description	Kit Size	Part Number
ClearSeq Comprehensive Cancer XT	16 samples 96 samples 96 auto	5190-8011 5190-8012 5190-8013
ClearSeq Comprehensive Cancer XT Plus	16 samples 96 samples 96 auto	5190-8014 5190-8015 5190-8016
ClearSeq Cancer HS, Illumina	16 samples 96 samples	G9933A G9933B
ClearSeq AML HS, Illumina	16 samples 96 samples	G9963A G9963B
ClearSeq DNA Kinome XT	16 samples 96 samples 96 auto 480 samples	5190-4646 5190-4647 5190-4648 5190-4649
ClearSeq RNA Kinome XT	16 samples 96 samples 480 samples	5190-4801 5190-4802 5190-4803
ClearSeq Inherited Disease XT	16 rxn 96 rxn 96 rxn auto	5190-7518 5190-7519 5190-7520
ClearSeq Inherited Disease Plus XT	16 rxn 96 rxn 96 rxn auto	5190-7521 5190-7522 5190-7523
ClearSeq Inherited Disease XT2	16 rxn 96 rxn 96 rxn auto	5190-7524 5190-7525 5190-7526
ClearSeq Inherited Disease Plus XT2	16 rxn 96 rxn 96 rxn auto	5190-7527 5190-7528 5190-7529

OneSeq DNA Target Enrichment Baits

OneSeq allows for the combined detection of CNVs, SNVs, indels, and LOH in one NGS assay for constitutional disorders. The OneSeq 300 kb and 1 Mb backbones can detect genome-wide CNVs as small as 300 kb (25-30 kb in ClinGen regions) or 1 Mb, with LOH detection down to 5 Mb or 10 Mb, respectively. The CNV backbones can be combined with any Agilent catalog or custom panel for SNV and indel detection.

Description	Kit Size	Part Number
OneSeq Constitutional Research Panel	16 samples 96 samples 96 auto	5190-8702 5190-8703 5190-8704
OneSeq Reference DNA, Male	50 rxns	5190-8848
OneSeq Reference DNA, Female	50 rxns	5190-8850

OneSeq 300 kb CNV Backbone + Custom Panel

Description	Kit Size	Part Number
OneSeq 300 kb CNV Backbone + Custom (1-499 kb XT)	16 samples 96 samples 96 auto	5190-8705 5190-8887 5190-8888
OneSeq 300 kb CNV Backbone + Custom (0.5-2.9 Mb XT)	16 samples 96 samples 96 auto	5190-8889 5190-8890 5190-8891
OneSeq 300 kb CNV Backbone + Custom (3-5.9 Mb XT)	16 samples 96 samples 96 auto	5190-8892 5190-8893 5190-8894
OneSeq 300 kb CNV Backbone + Custom (6-11.9 Mb XT)	16 samples 96 samples 96 auto	5190-8895 5190-8896 5190-8897

OneSeq: Tailored for Your Needs

	OneSeq High Resolution	OneSeq Low Resolution
CNV resolution genome-wide	300 kb	1 Mb
CNV resolution in ClinGen regions	25-50 kb	1 Mb
LOH	5 Mb	10 Mb
SNV & Indels	Combine OneSeq CNV backbone with any SureSelect exome, ClearSeq gene panel or SureSelect custom region	Combine OneSeq CNV backbone with any SureSelect exome, ClearSeq gene panel or SureSelect custom region
Sequencer recommendation	High or medium throughput sequencers	High, medium or benchtop sequencers
Region targeted by CNV backbone	12 Mb	2.7 Mb

OneSeq 1 Mb CNV Backbone + Custom Panel

Description	Kit Size	Part Number
OneSeq 1 Mb CNV Backbone + Custom (1-499 kb XT)	16 samples 96 samples 96 auto	5190-9462 5190-9463 5190-9464
OneSeq 1 Mb CNV Backbone + Custom (0.5-2.9 Mb XT)	16 samples 96 samples 96 auto	5190-9465 5190-9466 5190-9467
OneSeq 1 Mb CNV Backbone + Custom (3-5.9 Mb XT)	16 samples 96 samples 96 auto	5190-9468 5190-9469 5190-9470
OneSeq 1 Mb CNV Backbone + Custom (6-11.9 Mb XT)	16 samples 96 samples 96 auto	5190-9471 5190-9472 5190-9473
OneSeq 1 Mb CNV Backbone + Custom (12-24 Mb XT)	16 samples 96 samples 96 auto	5190-9474 5190-9475 5190-9476

NGS Data Analysis Software

SureCall Software

Reduce time to results from days to hours without complex IT infrastructure or special hardware. With SureCall, you can go from alignment of raw data to categorization and annotation of mutations in three simple steps.

SureCall software supports four different types of analysis: Single Sample, Tumor-Normal, Trio and OneSeq CNV and Mutation Analysis.

SureCall is available for download at no charge to Agilent customers: **www.agilent.com/genomics/surecall**

Alissa Clinical Informatics

Improve operational excellence with Alissa Clinical Informatics, an integrated software platform that streamlines your data analysis and variant assessment workflows—providing comprehensive support from raw reads to draft report. Meet rising assay volumes and deliver results under strict turnaround times.

Learn More: **www.agilent.com/lifesciences/alissa**

Sample Quality Control

Agilent 2100 Bioanalyzer System

The Agilent 2100 Bioanalyzer System is an established automated electrophoresis tool for DNA and RNA quality control and ensures your sample is of the highest integrity in only 30-40 minutes.

Description	Kit Size	Part Number
2100 Bioanalyzer Instrument	1 unit	G2939BA
2100 Expert SW Laptop Bundle	1 PC	G2953CA

Agilent 2100 Bioanalyzer System

Bioanalyzer DNA Kits and Reagents

With the Agilent DNA kits, the 2100 Bioanalyzer system enables you to quickly check DNA sizing, quality, and sample quantity of PCR reactions, restriction digests, or fragmented DNA. Recommended by next generation sequencing vendors.

Description	Kit Size	Part Number
Agilent DNA 1000 Kit	for 300 samples	5067-1504
Agilent DNA 1000 Reagents	for 25 chips	5067-1505
Agilent DNA 7500 Kit	for 300 samples	5067-1506
Agilent DNA 7500 Reagents	for 25 chips	5067-1507
Agilent DNA 12000 Kit	for 300 samples	5067-1508
Agilent DNA 12000 Reagents	for 25 chips	5067-1509
Agilent High Sensitivity DNA Kit	for 110 samples	5067-4626
Agilent High Sensitivity DNA Reagents	for 10 chips	5067-4627

Bioanalyzer RNA Kits and Reagents

The Agilent RNA kits and RNA Integrity Number (RIN) are widely accepted for RNA quality assessment. Perform fast, easy, precise integrity checks and sample quantification before any RNA-dependent application.

Learn More at:
www.agilent.com/
genomics/bioanalyzer

Description	Kit Size	Part Number
Agilent RNA 6000 Nano Kit	for 300 samples	5067-1511
Agilent RNA 6000 Nano Reagents	for 25 chips	5067-1512
Agilent RNA 6000 Nano Ladder	for 25 chips	5067-1529
Agilent RNA 6000 Pico Kit	for 275 samples	5067-1513
Agilent RNA 6000 Pico Reagents	for 25 chips	5067-1514
Agilent RNA 6000 Pico Ladder	for 25 chips	5067-1535
Agilent Small RNA Kit	for 275 samples	5067-1548
Agilent Small RNA Reagents	for 25 chips	5067-1549
Agilent Small RNA Ladder	for 25 chips	5067-1550

Agilent 4200 TapeStation System

The Agilent 4200 TapeStation system provides true end-to-end sample quality control within any next generation sequencing, microarray or qPCR workflow. The system offers walk away operation with fully automated sample processing. For the complete DNA and RNA assay portfolio, analyze 1-96 samples at a constant cost per sample. Ready-to-use ScreenTape technology enables ultimate flexibility for switching between assays in no time.

Agilent 4200 TapeStation System

Description	Kit Size	Part Number
Agilent 4200 TapeStation System	1 system	G2991AA

TapeStation DNA Consumables and Reagents

The DNA ScreenTape assays for the Agilent 4200 TapeStation system are ideal for quality control of input genomic DNA and downstream applications, e.g. library preparation for next generation sequencing. Select the size range appropriate for the desired application.
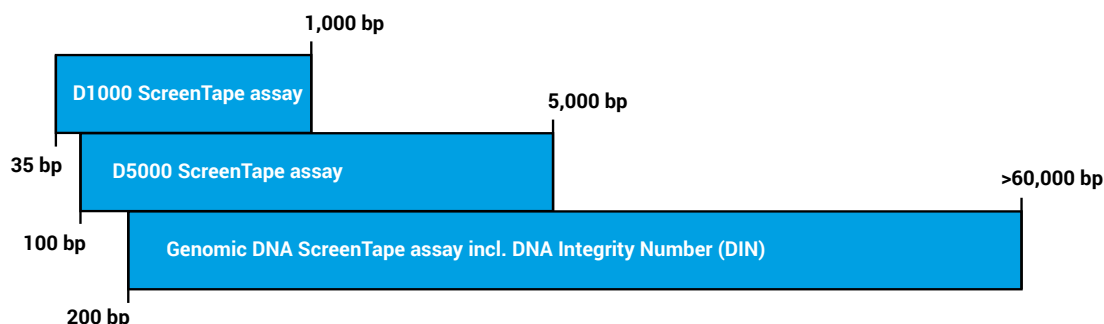
Genomic DNA Consumables and Reagents

The Genomic DNA ScreenTape assay enables automated, reproducible and digital assessment of genomic DNA with respect to size, concentration and quality (DNA Integrity Number, DIN).

Description	Kit Size	Part Number
Genomic DNA ScreenTape	for 105 samples	5067-5365
Genomic DNA Reagents	for 105 samples	5067-5366

DNA Consumables and Reagents

Description	Kit Size	Part Number
D1000 ScreenTape	for 112 samples	5067-5582
D1000 Reagents	for 112 samples	5067-5583
D1000 Ladder	10 µL	5067-5586
D1000 Sample Buffer	400 µl	5067-5602
High Sensitivity D1000 ScreenTape	for 112 samples	5067-5584
High Sensitivity D1000 Reagents	for 112 samples	5067-5585
High Sensitivity D1000 Ladder	20 µL	5067-5587
High Sensitivity D1000 Sample Buffer	300 µl	5067-5603

DNA Consumables and Reagents

Description	Kit Size	Part Number
D5000 ScreenTape	for 105 samples	5067-5588
D5000 Reagents	for 105 samples	5067-5589
D5000 Ladder	10 µL	5067-5590
High Sensitivity D5000 ScreenTape	for 105 samples	5067-5592
High Sensitivity D5000 Reagents	for 105 samples	5067-5593
High Sensitivity D5000 Ladder	20 µL	5067-5594

RNA Consumables and Reagents

The High Sensitivity RNA and RNA ScreenTape assays provide a fully automated, efficient and reliable method for RNA characterization and quality assessment. The RNA integrity number equivalent (RIN^e) provides an instant and objective evaluation of total RNA degradation of eukaryotic and prokaryotic samples.

Description	Kit Size	Part Number
RNA ScreenTape	for 112 samples	5067-5576
RNA ScreenTape Sample Buffer	for 112 samples	5067-5577
RNA ScreenTape Ladder	10 µL	5067-5578
High Sensitivity RNA ScreenTape	for 112 samples	5067-5579
High Sensitivity RNA ScreenTape Sample Buffer	for 112 samples	5067-5580
High Sensitivity RNA ScreenTape Ladder	10 µL	5067-5581

NGS FFPE QC Kit

The Agilent NGS FFPE QC kit is a qPCR-based assay that enables functional DNA quality assessment of input DNA prior to preparation of next generation sequencing libraries obtained from challenging sources such as formalin-fixed, paraffin-embedded specimens.

Description	Kit Size	Part Number
Agilent NGS FFPE QC Kit	16 samples	G9700A
	96 samples	G9700B

Automation

Agilent's NGS Automation Solutions greatly increase sample throughput and reproducibility. With validated protocols, Agilent offers a plug-and-play solution for the rapid processing of targeted NGS samples. Agilent's NGS Automation Solutions maximize throughput, walk-away time and processing efficiency.

Description	Kit Size	Part Number
Bravo NGS (Option A)	1 unit	G5573AA
NGS Workstation (Option B)	1 unit	G5574AA
PlateLoc Thermal Microplate Sealer	1 unit	G5585GA

Agilent Bravo NGS (Option A)
High throughput and improved reproducibility with a small footprint

– Agilent Bravo Automated Liquid Handling Platform

– Agilent Bravo accessories for heating, cooling, shaking, and magnetic separation
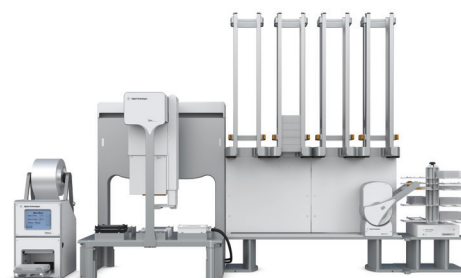
Agilent NGS Workstation (Option B)
High throughput and improved reproducibility with more walkaway time

– Agilent Bravo NGS (Option A)

– Agilent BenchCel 4R Microplate Handler

– Agilent Labware MiniHub

– Agilent PlateLoc Thermal Microplate Sealer

Boost Sample Throughput 10x
with an NGS Workstation!

PCR Amplification

SureCycler 8800

The SureCycler 8800 Thermal Cycler provides users with a complete package of market leading features and functionality. This PCR machine can run even the most complex thermal cycling techniques including time and temperature increments, touchdown PCR, and temperature gradients.
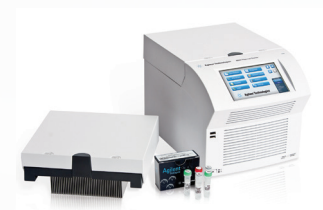
Agilent SureCycler 8800

Description	Kit Size	Part Number
SureCycler 8800 thermal cycler	1 unit	G8800A
96-well module	1 module	G8810A
384-well module D	1 module	G8820A

PCR Enzymes

Description	Kit Size	Part Number
Herculase II Fusion DNA Polymerase	40 rxn	600675
	200 rxn	600677
	400 rxn	600679
PfuUltra II Hotstart PCR Master Mix	100 rxn	600850
	400 rxn	600852
PfuUltra II Fusion Hotstart DNA Polymerase	40 rxn	600670
	200 rxn	600672
	400 rxn	600674
PAQ5000 Hotstart DNA Polymerase	500 u	600860
	1000 u	600862
	5000 u	600864
PAQ5000 2X PCR Master Mix	100 rxn	600870
	400 rxn	600872
Paq5000 DNA Polymerase	500 u	600680
	1000 u	600682
	5000 u	600684

QPCR Amplification

AriaMx Real-Time PCR System

The AriaMx Real-Time PCR System is a fully integrated, quantitative PCR amplification, detection, and data analysis system. The system design combines a state-of-the-art thermal cycler, an advanced optical system with an LED excitation source, and complete data analysis software.

Description	Kit Size	Part Number
AriaMx Real-Time PCR System	1 system	G8830A

AriaMx Modular Optical Cartridges

Description	Kit Size	Part Number
SYBR/FAM Optical Cartridge	1 pack	G8830-67001* (Option 101)
ROX Optical Cartridge	1 pack	G8830-67002* (Option 102)
HEX Optical Cartridge	1 pack	G8830-67003* (Option 103)
CY3 Optical Cartridge	1 pack	G8830-67004* (Option 104)
CY5 Optical Cartridge	1 pack	G8830-67005* (Option 105)
ATTO425 Optical Cartridge	1 pack	G8830-67006* (Option 106)

*Use part numbers to upgrade post instrument purchase

Brilliant III Master Mix

Description	Kit Size	Part Number
Brilliant III Ultra-Fast QPCR Master Mix	400 rxn 10 x 400 rxn	600880 600881
Brilliant III Ultra-Fast QRT-PCR Master Mix	400 rxn 10 x 400 rxn	600884 600885
Brilliant III Ultra-Fast High ROX QPCR Master Mix	400 rxn 10 pack	600888 600899
Brilliant III Ultra-Fast Low ROX QPCR Master Mix	400 rxn 10 pack	600890 600898
Brilliant III Ultra-Fast SYBR® Green QPCR Master Mix	400 rxn 10 x 400 rxn	600882 600883
Brilliant III Ultra-Fast SYBR® Green QRT-PCR Master Mix	400 rxn 10 x 400 rxn	600886 600887
Brilliant III Ultra-Fast SYBR® Green High ROX QPCR Master Mix	400 rxn 10 pack	600889 600904

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