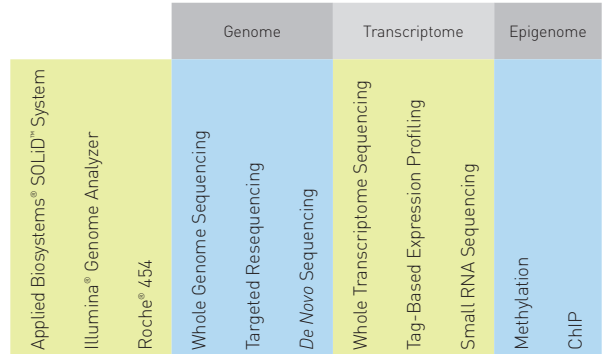


Selection Guide—Next-Generation Sequencing Applications

Advance your research with next-generation sequencing tools and resources for a variety of applications on your platform. Life Technologies offers complete and optimized kits for next-generation sequencing sample prep and library construction.



Stage of Workflow	Product	Cat. No.	Quantity	Platform	Supported Applications	
Purification	PureLink™ Genomic DNA Mini Kit*	K182001	50 preps	• • • • • • • • • •	•	
	PureLink™ RNA Mini Kit*	12183018A	50 preps	• • •	• • •	
Enrichment	SequalPrep™ Long PCR Kit with dNTPs*	A10498	1,000 units	• • • •		
	SequalPrep™ Normalization Plate (96) Kit*	A1051001	10 plates	• • • •		
	RiboMinus™ Eukaryote Kit for RNA-Seq*	A1083708	8 preps	• • •	• •	
	RiboMinus™ Eukaryote Kit for RNA-Seq*	A1083702	2 preps	• • •	• •	
	RiboMinus™ Plant Kit for RNA-Seq*	A1083808	8 preps	• • •	• •	
	RiboMinus™ Plant Kit for RNA-Seq*	A1083802	2 preps	• • •	• •	
	MethylMiner™ Methylated DNA Enrichment Kit*	ME10025	1 kit	• • • •		•
	MethylCode™ Bisulfite Conversion Kit*	MECOV50	50 rxns	• • •		•
Library Generation	MAGnify™ Chromatin Immunoprecipitation System*	492024	24 rxns	• • •		•
	SOLiD™ Fragment Library Construction Kit with Size Selection Gels**^	4443471	10 preps	•	• • •	• •
	SOLiD™ Fragment Library Construction Kit**^	4443473	10 preps	•	• • •	• •
	SOLiD™ Fragment Library Construction Reagents**^	4443713	10 preps	•	• • •	• •
	SOLiD™ Long Mate-Paired (2x50 bp) Library Construction Kit**^	4443474	10 preps	•	• • •	• •
	SOLiD™ 2x25 bp Mate-Paired Library Construction Kit**^	4443472	10 preps	•	• • •	• •
	SOLiD™ Total RNA-Seq Kit**^	4445374	12 preps	•		•
	SOLiD™ SAGE™ with Barcoding Adaptor Module**^	4452811	16 preps	•		•
	SOLiD™ SAGE™ Module D with Barcode Adaptor**^	4456595	16 preps	•		•
	E-Gel® SizeSelect™ 2% Starter Kit*	G6612ST	1 kit	• • • •	• • • •	• • • •
	E-Gel® SizeSelect™ 2% Agarose Gels*	G661002	10 gels	• • • •	• • • •	• • • •
	Novex® 6% TBE-Urea Gels, 1.0 mm, 10 well	EC6865BOX	1 box	• •		•
	Novex® 10% TBE-Urea Gels, 1.0 mm, 10 well	EC6875BOX	1 box	• •		•
	Novex® TBE-Urea Sample Buffer (2X)	LC6876	10 mL	• •		•
	Novex® TBE Running Buffer (5X)	LC6675	1 L	• •		•
	SOLiD™ ChIP-Seq Kit**^	4449640	20 preps	•		•
	SOLiD™ ChIP-Seq Kit with ChIP Magnet**^	4449638	20 preps	•		•
	Library Barcoding	SOLiD™ Fragment Library Barcoding Kit 1–96**^	4449637	96 barcodes	•	• • •
SOLiD™ Fragment Library Barcoding Module 1–16**^		4444836	16 barcodes	•	• • •	• •
SOLiD™ Fragment Library Barcoding Module 17–32**^		4449636	16 barcodes	•	• • •	• •
SOLiD™ Fragment Library Barcoding Module 33–48**^		4449635	16 barcodes	•	• • •	• •
SOLiD™ Fragment Library Barcoding Module 49–64**^		4449641	16 barcodes	•	• • •	• •
SOLiD™ Fragment Library Barcoding Module 65–80**^		4449642	16 barcodes	•	• • •	• •
SOLiD™ Fragment Library Barcoding Module 81–96**^		4449643	16 barcodes	•	• • •	• •
SOLiD™ RNA Barcoding Kit, Module 1–16**^		4427046	16 barcodes	•	• • •	• •
SOLiD™ RNA Barcoding Kit, Module 17–32**^		4453189	16 barcodes	•	• • •	• •
SOLiD™ RNA Barcoding Kit, Module 33–48**^		4453191	16 barcodes	•	• • •	• •
Quantitation & Controls	SOLiD™ Library TaqMan® Quantitation Kit**^	4449639	250 rxns	•	• • •	• • •
	SOLiD™ Library TaqMan® qPCR Module**^	A12127	250 rxns	•	• • •	• • •
	SOLiD™ Library qPCR standard**^	A12126	10 µL	•	• • •	• • •

* Order from www.invitrogen.com
^ Order from www.appliedbiosystems.com

Stage of Workflow	Product	Description
Purification	PureLink™ Genomic DNA Mini Kit	Recommended gDNA purification kit for sequencing applications; high-quality gDNA from a single column.
	PureLink™ RNA Mini Kit	Recommended RNA purification kit for sequencing applications; high-quality RNA from a wide range of cell and tissue types.
Enrichment	SequalPrep™ Long PCR Kit with dNTPs	Long PCR enrichment (5–20 kb) for enhanced sequencing coverage of targeted regions. Most robust amplification.
	SequalPrep™ Normalization Plate (96) Kit	One-step amplicon purification and input equalization for accurate target representation in a convenient plate.
	RiboMinus™ Eukaryote Kit for RNA-Seq	Enrich the whole spectrum of eukaryote RNA transcripts by selectively depleting 95–99.9% of large ribosomal molecules.
	RiboMinus™ Plant Kit for RNA-Seq	Enrich the whole spectrum of plant RNA transcripts by selectively depleting 95–99.9% of large ribosomal molecules.
	MethylMiner™ Methylated DNA Enrichment Kit	Enrichment and differential fractionation of dsDNA by CpG methylation density. Increased sensitivity over antibody methods.
	MethylCode™ Bisulfite Conversion Kit	Fast and easy conversion of unmethylated cytosines to uracils in a DNA sample while methylated cytosines remain unchanged.
	MAGnify™ Chromatin Immunoprecipitation System	Faster and more reproducible solution for chromatin immunoprecipitation (ChIP).
Library Generation	SOLiD™ Fragment Library Construction Kit with Size Selection Gels	Fully optimized complete set of reagents, columns, and size selection gels to generate fragment libraries for use on the SOLiD™ System.
	SOLiD™ Fragment Library Construction Kit	Fully optimized set of reagents and columns to generate fragment libraries for use on the SOLiD™ System.
	SOLiD™ Fragment Library Construction Reagents	Fully optimized set of reagents for flexibility in purification to generate fragment libraries for use on the SOLiD™ System.
	SOLiD™ Long Mate-Paired (2x50 bp) Library Construction Kit	Fully optimized, validated, complete set of reagents to construct 2x50 bp mate-paired libraries for use on the SOLiD™ System.
	SOLiD™ 2x25 bp Mate-Paired Library Construction Kit	Fully optimized, validated, complete set of reagents to construct 2x25 bp mate-paired libraries for use on the SOLiD™ System.
	SOLiD™ Total RNA-Seq Kit	Fully optimized, validated kit to construct strand-specific libraries for small RNA and whole transcriptome interrogation on the SOLiD™ System.
	SOLiD™ SAGE™ Kit	Fully optimized reagents for tag-based quantification of transcription expression profiles on the SOLiD™ System.
	SOLiD™ SAGE™ Module D with Barcode Adaptor	Enables separate purchase of barcode adaptor module to enable barcoding of original SOLiD™ SAGE™ Kit (Cat. No. 4443475), which is not barcode-compatible.
	E-Gel® SizeSelect™ 2% Starter Kit	iBase™, imager, gels, and ladder to start rapid size selection of adaptor-ligated product.
	E-Gel® SizeSelect™ 2% Agarose Gels	Rapid size selection of adaptor-ligated product in under 15 minutes.
	Novex® TBE-Urea Gels	Optimized for the analysis and purification of products ranging from 20 to 800 bases, making them an ideal choice for RNA analysis.
	SOLiD™ ChIP-Seq Kit	Complete, optimized system for genome-wide ChIP analysis on the SOLiD™ System.
	SOLiD™ ChIP-Seq Kit with ChIP Magnet	Complete, optimized system for genome-wide ChIP analysis on the SOLiD™ System. Includes DynaMAG®-PCR magnet for processing ChIP samples.
Library Barcoding	SOLiD™ Fragment Library Barcoding Kit 1–96	Complete set of 96 unique barcode sequences for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ Fragment Library Barcoding Module 1–16	Individual set of unique barcode sequences (1–16) for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ Fragment Library Barcoding Module 17–32	Individual set of unique barcode sequences (17–32) for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ Fragment Library Barcoding Module 33–48	Individual set of unique barcode sequences (33–48) for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ Fragment Library Barcoding Module 49–64	Individual set of unique barcode sequences (49–64) for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ Fragment Library Barcoding Module 65–80	Individual set of unique barcode sequences (65–80) for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ Fragment Library Barcoding Module 81–96	Individual set of unique barcode sequences (81–96) for SOLiD™ fragment libraries, to sequence multiple samples on one slide.
	SOLiD™ RNA Barcoding Kit, Module 1–16	Individual set of unique barcode sequences (1–16) for SOLiD™ small RNA or whole transcriptome libraries, to sequence multiple samples on one slide.
	SOLiD™ RNA Barcoding Kit, Module 17–32	Individual set of unique barcode sequences (17–32) for SOLiD™ small RNA or whole transcriptome libraries, to sequence multiple samples on one slide.
	SOLiD™ RNA Barcoding Kit, Module 33–48	Individual set of unique barcode sequences (33–48) for SOLiD™ small RNA or whole transcriptome libraries, to sequence multiple samples on one slide.
Quantitation & Controls	SOLiD™ Library TaqMan® Quantitation Kit	Enables measurement of amplifiable template in a SOLiD™ library for optimal input in emulsion PCR (ePCR). Includes TaqMan® qPCR Module and qPCR Standard.
	SOLiD™ Library TaqMan® qPCR Module	Stand-alone module to measure library input. Ideal when quantitating libraries with previously successfully amplified and sequenced libraries.
	SOLiD™ Library qPCR standard	Stand-alone qPCR standard for purchasing flexibility.

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