

Product Catalog

March 2025

**CAPTURE ALL
MEETS YOUR GOAL**



About iGeneTech

iGeneTech Bioscience, is a high-tech enterprise in Beijing founded in 2014, focusing on the development and supply of target gene "reading" and "writing" solutions with three self-developed core technology platforms: NGS hybridization capture, multiplex PCR and high-throughput DNA synthesis. We provide catalog and customized NGS target enrichment panels, NGS reagents and kits, OEM and CDMO services and large-scale DNA synthesis services to 1000+ customers from various fields including healthcare, agriculture, microbiology, and academic research. We've set high quality standards to our NGS products, and our quality management system has received ISO 13485: 2016 and ISO 9001: 2015 certifications.

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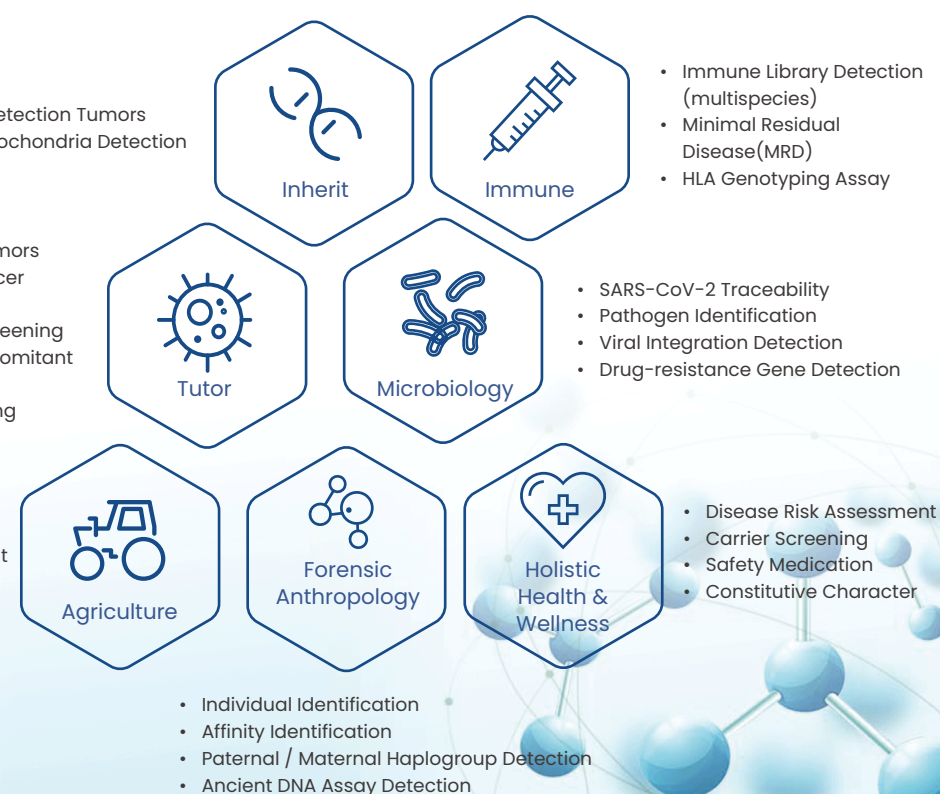
Product Instructions

Customization Solutions

iGeneTech can provide panels fully customized or semi-customized for a best solution. Fully customized products are that all target areas on entire panel were defined by the customer, while semi-customized products are that other target areas were added or part of the area probes were strengthened. With regard to target regions of high study frequency, iGeneTech has developed mature capture products for customers' flexible matching with standard products as well as customized testing requirements.

Pre-defined Target Region Probes/Primers Products

- Predefined target region probes products are based on TargetSeq® hybridization capture & sequencing technology, including AIExome®, TargetSeq® and BisCap® etc. Probe kit is contained, other reagents should be purchased separately.
- Predefined target region primers products are based on MultiSeq® multiplex amplicon sequencing technology, including MultiSeq® predefined target region primer products. Primer kit and library prep kit are contained, other reagents should be purchased separately.



Pre-defined Target Region Probes/Primers Products

AIExome® Human Exome Panel

AIExome® Human Exome Panel V3

AIExome® Human Exome Panel V3 is designed on the basis of human reference genome GRCh38 and the latest patch sequences, spanning about 34.4 Mb of CDS regions of human genome with high coverage of protein coding region from the latest versions of RefSeq, CCDS, GENCODE database.

Recommended sequencing depth / data size: 100× / 8 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
AIExome® Human Exome Panel V3	T600V1	34.4 Mb	16 rxn	PT1008091
			96 rxn	PT1008092

AIExome® Human Exome Panel V3 - Inherit

AIExome® Human Exome Panel V3-Inherit is designed on the basis of AIExome® V3 with additional coverage of significant mutation sites from ClinVar, meantime, a complete mitochondrial genome capture is available. High-density SNP backbones of whole genome(100kb interval) and of ClinGen(10kb interval) were added(total 47,000 SNP sites), to ensure a more comprehensive, accurate and rapid detection of SNP, InDel, CNV variant information.

Recommended sequencing depth / data size: 100× / 11 Gb

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
AIExome® Human Exome Panel V3 - Inherit	T600V1G	36.6 Mb	16 rxn	PT1008101
			96 rxn	PT1008102

AIExome® Human Exome Panel V3 - Tumor

AIExome® Human Exome Panel V3-Tumor is designed on the basis of AIExome® V3 for an expansion and enhancement of probes to detect more tumor related mutations, including 641 tumor-related genes (especially mutation hot spots), 38 fusion related introns, 15 microsatellite loci of instability and HLA genes, to fully meet the whole exome detection.

Recommended data size/sequencing depth: 20 Gb/200×, with mutation hotspot regions > 500×.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
AIExome® Human Exome Panel V3 - Tumor	T600V1ST	34.9 Mb	16 rxn	PT1009181
			96 rxn	PT1009182

AIExome® Human Exome Panel V3- Research ^{NEW}

AIExome® Human Exome Panel V3 - Research is designed on the basis of AIExome® V3 to increase the probe coverage of Intron, UTR, Noncoding region of some diseases and whole genome of mitochondria. In addition, high coverage of high GC region such as TERT promoter region and CEPBA gene has been realized, based on the unique probe design scheme of iGeneTech. Full exon coverage will be more even in related genes of important diseases such as PKD 1, CHEK 2 and CYP21A2.

Recommended data size/sequencing depth: 14 Gb / 100×.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
AIExome® Human Exome Panel V3 - Research	T1106V2	63.5 Mb	16 rxn	PT1013531
			96 rxn	PT1013532

Mitochondrial and Forensic Science Products

TargetSeq® Human Mitochondrial Panel

Based on TargetSeq® hybridization capture & sequencing technology, probes are designed to cover a full length of human mitochondrial genome(16,569bp, can be fully captured), and can avoid nuclear genome contamination in order to meet the needs of heterogeneous analysis. This panel could be applied as spike-in for panel AIExome® V3 or V3-Tumor.

Recommended sequencing depth / data size: 5000× / 0.2 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Human Mitochondrial Panel	T033	16.6 kb	16 rxn	PT1000021
			96 rxn	PT1000022

MultipSeq® Human Mitochondria Panel

Based on MultipSeq® multiplex-amplicon sequencing technology,specific 113 pairs of primers were designed with regard to full length of Human Mitochondria genome (16,569 bp,can be fully captured), to provide an efficient and high-quality overall solution for customers.

Recommended sequencing depth / data size: 5,000× / 0.2 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
MultipSeq® Human Mitochondria Research Assay (for Illumina)	A102V1	16.6 kb	16 rxn	PA6005401
			96 rxn	PA6005402

MultipSeq® 226 STR Research Panel

Based on MultipSeq® multiplex-amplicon sequencing technology, panels are designed applicable to 226 STR loci of court science, including 113 Y chromosomes, 72 autosomes, 41 X chromosome loci and sex recognition loci, which can fully cover all the loci in Selected Loci and the data structure of GB / T 41009-2021 Court Scientific DNA Database and GB / T 44393-2024 sequence-polymorphic STR allele Naming Rules, also can be used for DNA database information storage, individual identification and scientific research in China.

Recommended reading length / data size: ≥ 250 bp / 1 Mb Reads.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
MultipSeq® 226 STR Research Panel (for Illumina TS)	A854V1hg38	15.1 kb	16 rxn	PA6006481
			96 rxn	PA6006482

STR List of loci (Y chromosomes: 113, X chromosomes: 41, autosomes: 72. 226 in total):

Y chromosomes (part)									
DYS19	DYS385a/b	DYS389I/II	DYS390	DYS391	DYS392	DYS393	DYS437	DYS438	DYS439
DYS443	DYS444	DYS447	DYS448	DYS449	DYS456	DYS458	DYS481	DYS522	DYS533
DYS576	DYS627	DYS635	Y-GATA-H4						

X chromosomes (part)									
DXS101	DXS6789	DXS6810	DXS7132	DXS7133	DXS7423	DXS7424	DXS8378	DXS9902	DXS10074
DXS10101	DXS10103	DXS10134	DXS10135	DXS10159	DXS10162	DXS10079	HPRTB		

Autosomes (part)									
D1S1656	TPOX	D2S441	D2S1338	D3S3045	D3S1358	FGA	D5S818	CSF1PO	D6S477
D7S820	D8S1179	TH01	vWA	D12S391	D13S317	PentaE	D16S539	D18S51	D19S433
D21S11	PentaD								

Tumor-related Products

TargetSeq® Pan-Cancer Panel V2

Based on TargetSeq® hybridization capture sequencing technology, panel covers 641 genes related to solid tumor targeted medication and genetic predisposition, with additional 38 hot spot fusion introns, 15 classical microsatellite loci, and 219 chemotherapy sites added, it can detect point mutation, fusion, copy number variation and insertion / deletion as well as TMB, MSI analysis at one time to provide reference for tumor targeted therapy, immunotherapy and hereditary tumor risk prediction.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Pan-Cancer Panel V2	T893V1	2.1 Mb	16 rxn	PT1011711
			96 rxn	PT1011712

List of partial genes:

641 Tumor-associated Genes (part)											
ABCB1	ABCC3	ABL1	ABL2	ACVR1	ACVR1B	AGO2	AKT1	AKT2	AKT3	ALK	ALOX12B
AMER1	ANKRD11	APC	APEX1	AR	ARAF	ARFRP1	ARID1A	ARID1B	ARID2	ARID5B	ASNS
ASXL1	ASXL2	AT1C	ATM	ATR	ATRX	AURKA	AURKB	AXIN1	AXIN2	AXL	B2M
BABAM1	BAP1	BARD1	BBC3	BCL10	BCL2	BCL2L1	BCL2L11	BCL2L2	BCL6	BCOR	BCORL1
BCR	BIRC3	BIRC7	BLM	BMPR1A	BRAF	BRCA1	BRCA2	BRD4	BRIP1	BTG1	BTG2
BTk	C11orf30	C8orf34	CALR	CARD11	CARM1	CASP7	CASP8	CBFB	CBL	CBR3	CCND1
CCND2	CCND3	CCNE1	CD22	CD274	CD276	CD3EAP	CD44	CD70	CD79A	CD79B	CDA
CDC42	CDC73	CDH1	CDK12	CDK4	CDK6	CDK8	CDKN1A	CDKN1B	CDKN2A	CDKN2B	CDKN2C
CEBPA	CENPA	CHD2	CHD4	CHEK1	CHEK2	CIC	CREBBP	CRKL	CRLF2	CSDE1	CSF1R
CSF3R	CTCF	CTLA4	CTNNA1	CTNNB1	CTTN	CUL3	CUL4A	CXCR4	CYLD	CYP17A1	CYP19A1
CYP1B1	CYP2C8	CYP2D6	CYP4B1	CYSLTR2	DAXX	DCUN1D1	DDR1	DDR2	DDX43	DICER1	DIS3
DNAJB1	DNMT1	DNMT3A	DNMT3B	DOT1L	DPYD	DROSHA	DUSP4	DYNC2H1	E2F3	EED	EGFL7
EGFR	EIF1AX	EIF4A2	EIF4E	ELF3	EP300	EPAS1	EPCAM	EPHA2	EPHA3	EPHA5	EPHA7
EPHB1	EPHB4	ERBB2	ERBB3	ERBB4	ERCC1	ERCC2	ERCC3	ERCC4	ERCC5	ERF	ERG
ERRF1	ESR1	ESR2	ETV1	ETV6	EWSR1	EXT1	EZH1	EZH2	FADD	FAM175A	FAM46C
FAM58A	FANCA	FANCC	FANCD2	FANCE	FANCF	FANCG	FANCL	FANCM	FAS	FAT1	FAT3
FBXW7	FCGR2A	FCGR3A	FGF10	FGF12	FGF14	FGF19	FGF23	FGF3	FGF4	FGF6	FGFR1
FGFR2	FGFR3	FGFR4	FH	FLCN	FLT1	FLT3	FLT4	FOXA1	FOXL2	FOXO1	FOXP1
FRS2	FSHR	FUBP1	FYN	GAB2	GABRA6	GALNT12	GATA1	GATA2	GATA3	GATA4	GATA6
GGH	GID4	GLI1	GNA11	GNA13	GNAQ	GNAS	GPR124	GPS2	GREM1	GRIN2A	GRM3
GSK3B	GSTA1	GSTM1	GSTP1	H3F3A	H3F3B	H3F3C	HAS3	HDAC1	HDAC6	HGF	HIST1H1C
HIST1H2BD	HIST1H3A	HIST1H3B	HIST1H3C	HIST1H3D	HIST1H3E	HIST1H3F	HIST1H3G	HIST1H3H	HIST1H3I	HIST1H3J	HIST2H3C
HIST2H3D	HIST3H3	HLA-A	HLA-B	HMMR	HNF1A	HXB13	HRAS	HSDB1	HSP90AA1	HSPB1	ICOSLG
ID3	IDH1	IDH2	IFNGR1	IGF1	IGF1R	IGF2	IKBKE	IKZF1	IL10	IL1A	IL4
IL7R	IL8	INH A	INHBA	INPP4A	INPP4B	INPPL1	INSR	IRF2	IRF4	IRS1	IRS2
JAK1	JAK2	JAK3	JUN	KAT6A	KDM3B	KDM5A	KDM5C	KDM6A	KDR	KEAP1	KEL
KIT	KLF4	KLHL6	KMT2A	KMT2B	KMT2C	KMT2D	KNSTRN	KRAS	LATS1	LATS2	LIG4

38 Fusion Genes											
NOTCH2	NTRK1	ALK	MSH2	RAF1	ETV5	FGFR3	SLC34A2	PDGFRA	KIT	CD74	ROS1
MYB	EZR	EGFR	BRAF	FGFR1	MYC	NTRK2	RET	FGFR2	KMT2A	ETV6	BRCA2
NUTM1	RARA	BRCA1	ETV4	SDC4	TMPRSS2	BCR	EWSR1	BCL2	RSP02	MET	ETV1
PPARγ	TERT										

15 MSI											
BAT40	Mono-27	BAT26	D2S123	NR24	BAT25	D5S346	D8S554	Penta C	NR27	NR21	D17S250
D18S69	D18S64	Penta D									

Chemotherapy sites (part)									
rs8175347	rs13181	rs2207396	rs3211371	rs10426377	rs602950	rs3740066	rs7194667	rs2070676	
rs12960	rs2228001	rs1042522	rs1799735	rs25487	rs3212986	rs3957357	rs60369023	rs2740574	
rs9024	rs67376798	rs9394992	rs2234693	rs1052536	rs7319981	rs4694362	rs7779029	rs934635	
rs11479	rs9351963	rs442767	rs12046844	rs1650697	rs11545078	rs12022243	rs2612091	rs2741171	

TargetSeq® Solid Tumor Fusion RNA Panel

This product covers the coding regions of 298 common fusion gene transcripts and the UTR regions of some genes for detection of RNA level fusion, variation and gene expression information, which is applicable to tumor diagnosis, prognosis and recurrence monitoring.

Recommended data size: 4 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat NO.
TargetSeq® Solid Tumor Fusion RNA Panel	T1120V1	1.2 Mb	16 rxn	PH2000471
			96 rxn	PH2000472

Gene list:

298 Fusion Genes (part)											
<i>ABL1*</i>	<i>ABL2</i>	<i>ACKR3</i>	<i>ACTB</i>	<i>AFF1</i>	<i>AFF3</i>	<i>AHRR</i>	<i>AKAP9</i>	<i>AKT3</i>	<i>ALK</i>	<i>ARHGAP26</i>	<i>ASPSCR1</i>
<i>ATF1</i>	<i>AT1C</i>	<i>AXL</i>	<i>BAG4</i>	<i>BAIAP2L1</i>	<i>BCAS3</i>	<i>BCAS4</i>	<i>BCL11A</i>	<i>BCL2+</i>	<i>BCL3</i>	<i>BCOR*+</i>	<i>BIRC3</i>
<i>BIRC6</i>	<i>BRAF</i>	<i>BRD3</i>	<i>BRD4*</i>	<i>C110H95</i>	<i>CAMTA1</i>	<i>CANT1</i>	<i>CARS1</i>	<i>KNL1</i>	<i>CASP7</i>	<i>CCAR2</i>	<i>CCDC6</i>
<i>CCNB1IP1</i>	<i>CCNB3</i>	<i>CCND1</i>	<i>CCND3</i>	<i>CD74</i>	<i>CDH11</i>	<i>CDKN2D</i>	<i>CDX1</i>	<i>CHCHD7</i>	<i>CIC+</i>	<i>CLTC</i>	<i>COL1A1</i>
<i>COL1A2</i>	<i>COL4A5</i>	<i>COL6A3</i>	<i>CREB1</i>	<i>CREB3L1</i>	<i>CREB3L2</i>	<i>CRLF2</i>	<i>CRTC1</i>	<i>CRTC3</i>	<i>CSF1</i>	<i>CSF1R</i>	<i>CTNNB1</i>
<i>CUX1</i>	<i>DDIT3</i>	<i>DDX5</i>	<i>DEK</i>	<i>SLC49A4</i>	<i>DNAJB1</i>	<i>DUX4</i>	<i>EBF1</i>	<i>EGFR</i>	<i>EIF3E</i>	<i>EIF4A2</i>	<i>ELK4</i>
<i>EML4</i>	<i>EP300</i>	<i>EPC1</i>	<i>EPCAM</i>	<i>ERBB2+</i>	<i>ERC1</i>	<i>ERG*</i>	<i>ERLIN2</i>	<i>ESR1</i>	<i>ESRRA</i>	<i>ETS1</i>	<i>ETV1*</i>
<i>ETV4</i>	<i>ETV5*</i>	<i>ETV6*</i>	<i>EWSR1</i>	<i>EZR</i>	<i>TAF2</i>	<i>FEV</i>	<i>FGF8</i>	<i>FGFR1</i>	<i>FGFR2</i>	<i>FGFR3</i>	<i>FGR*</i>
<i>FHIT</i>	<i>FLI1</i>	<i>FLT3</i>	<i>FOSB</i>	<i>FOXO1</i>	<i>FOXO4</i>	<i>FRYL</i>	<i>FUS</i>	<i>GLI1</i>	<i>GOLGA5</i>	<i>GOPC</i>	<i>GPC3</i>
<i>GRID1</i>	<i>HAS2</i>	<i>HERPUD1</i>	<i>HEY1</i>	<i>HIP1</i>	<i>HJURP</i>	<i>HMGAI</i>	<i>HMG2</i>	<i>HMG2P46</i>	<i>HNRNP2B1</i>	<i>HOOK3</i>	<i>HPR</i>
<i>INSR</i>	<i>IRF2BP2</i>	<i>JAK2*</i>	<i>JAK3</i>	<i>JAZF1</i>	<i>KAT6B</i>	<i>RELCH</i>	<i>KIAA1549</i>	<i>KIF5B+</i>	<i>KIT+</i>	<i>KLF17</i>	<i>KLK2</i>
<i>KLK4</i>	<i>KLKP1</i>	<i>KMT2A</i>	<i>KRAS</i>	<i>KTN1</i>	<i>LHFPL6</i>	<i>LIFR</i>	<i>LMO1</i>	<i>LPP</i>	<i>LRIG3</i>	<i>LRP1</i>	<i>MAML2</i>
<i>MAST1</i>	<i>MAST2</i>	<i>MBTD1</i>	<i>MEAF6</i>	<i>MET*</i>	<i>OGA</i>	<i>MIPOL1</i>	<i>MRTFB</i>	<i>MLLT1</i>	<i>MLLT3</i>	<i>MN1</i>	<i>MSH2</i>
<i>MSMB</i>	<i>MUST</i>	<i>MUTYH</i>	<i>MYB</i>	<i>MYC</i>	<i>MYH11</i>	<i>MYH9</i>	<i>NAB2</i>	<i>NCOA1*</i>	<i>NCOA2*</i>	<i>NCOA4</i>	<i>NDRG1</i>
<i>NFATC2</i>	<i>NFIB</i>	<i>NIPBL</i>	<i>NONO</i>	<i>NOTCH1</i>	<i>NOTCH2</i>	<i>NOTCH3+</i>	<i>NR4A3*</i>	<i>NRG1</i>	<i>NSD1</i>	<i>NTRK1</i>	<i>NTRK2</i>

*Cover all 5'-UTR +Cover all 3'-UTR

TargetSeq® Pan-Cancer DNA+RNA Research Assay NEW

The product realizes DNA + RNA co-detection of solid tumor, with complete sample library prep kits, hybrid capture kits, pan-cancer DNA + RNA probe to realize detection of mutation, copy number amplification and insertion / deletion at DNA level, as well as auxiliary validation for fusion mutation and exon skipping at RNA level, benefiting patients through fusion precision detection.

Product Name	Spec	Cat NO.
TargetSeq® Pan-Cancer DNA+RNA Research Assay*	96 rxn	C11252

*Shipping list includes library prep kits, adapter kits, capture kits, universal reagents and predefined products.

Tumor Hotspot Variant Quality Control Products NEW

Pan-tumor quality control products use human-derived cell lines as raw material with a single, well-characterized genomic background, covering the drug target of targeted therapy for common solid tumors,including 15 hot spot mutations (11 SNV, 1 InDel, 1 copy number amplification, 1 fusion and 1 MET Exon 14 Skipping Mutation), precisely quantified by digital PCR. This product can be used to validate the somatic mutation detection and indoor quality control of NGS method.

Product Name	Form	Spec	Cat NO.
Pan-Cancer Quality Control Products	gDNA	30 ng/μL, 1 μg/tube	PCS500

RNA Fusion Variant Quality Control Products NEW

The main component of RNA Fusion Mix 3.0 is a mixture of purified RNA fragments and cell-line-derived RNA, including 23 fusion forms, covering the fusion genes applying to targeted drug, multiple breakpoints and partner genes. Since RNA-NGS has shown excellent performance in fusion variant detection, it has been included in NCCN Clinical Practice Guidelines for NSCLC, NCCN Clinical Practice Guidelines for Colon Cancer, Chinese Expert Consensus on Bone & Soft Tissue Tumors NGS etc. DNA + RNA co-detection is becoming a trend, accurate detection of gene fusion is of great significance for the treatment and comprehensive understanding of tumor. This product can be used to validate fusion variant detection performance of RNA-NGS and indoor quality control.

Product Name	Form	Spec	Cat NO.
RNA Fusion Mix 3.0	RNA	50 ng/μL, 1 μg/tube	MD07361

TargetSeq® Solid Tumor Mid Panel NEW

This panel selected 122 coding regions associated with solid tumor, 10 hot spot fusion introns, 19 classical microsatellite loci, and 219 chemotherapy sites. Compared with Large Panel gene detection in multiple cancer, Mid panel has a simplified region and achieves diverse detection requirements.

Recommended sequencing depth / data size: 1000 × / 1.5 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat NO.
TargetSeq® Solid Tumor Mid Panel	T1288V1	438.3 kb	16 rxn	PH2002101
			96 rxn	PH2002102

Gene list:

122 Tumor-related Genes (part)											
<i>AKT1</i>	<i>ABL1</i>	<i>ABL2</i>	<i>AKT3</i>	<i>ALK</i>	<i>APC</i>	<i>AR</i>	<i>ARAF</i>	<i>ARID1A</i>	<i>ATM</i>	<i>ATR</i>	<i>BAP1</i>
<i>BARD1</i>	<i>BRAF</i>	<i>BRCA1</i>	<i>BRCA2</i>	<i>BRIP1</i>	<i>CCND1</i>	<i>CDH1</i>	<i>CDK12</i>	<i>CDK4</i>	<i>CDK6</i>	<i>CDKN2A</i>	<i>CDX2</i>
<i>CHEK2</i>	<i>CTNNB1</i>	<i>DDR2</i>	<i>DICER1</i>	<i>EGFR</i>	<i>EPCAM</i>	<i>ERBB2</i>	<i>ERBB3</i>	<i>ERBB4</i>	<i>ERCC2</i>	<i>ESR1</i>	<i>EZH2</i>
<i>FBXW7</i>	<i>FGFR1</i>	<i>FGFR2</i>	<i>FGFR3</i>	<i>FGFR4</i>	<i>FH</i>	<i>FLCN</i>	<i>FLT3</i>	<i>FOXA1</i>	<i>FOXL2</i>	<i>GATA3</i>	<i>GNA11</i>

10 Fusion Genes											
<i>ALK</i>	<i>CD74</i>	<i>ETV6</i>	<i>FGFR1</i>	<i>FGFR2</i>	<i>FGFR3</i>	<i>NTRK1</i>	<i>NTRK2</i>	<i>RET</i>	<i>ROS1</i>	<i>CD74</i>	<i>ROS1</i>

19 MSI											
BAT40	Mono-27	BAT26	D2S123	NR24	BAT25	D5S346	D8S554	Penta C	NR27	NR21	D17S250
D18S69	D18S64	Penta D	NR22	D17S261	D17S520	D18S34					

Chemotherapy Sites (part)								
rs8175347	rs13181	rs2207396	rs3211371	rs10426377	rs602950	rs3740066	rs7194667	rs2070676
rs12960	rs2228001	rs1042522	rs1799735	rs25487	rs3212986	rs3957357	rs60369023	rs2740574
rs9024	rs67376798	rs9394992	rs2234693	rs1052536	rs7319981	rs4694362	rs7779029	rs934635
rs11479	rs9351963	rs442767	rs12046844	rs1650697	rs11545078	rs12022243	rs2612091	rs2741171

TargetSeq® Core Genes Fusion RNA Panel

This product covers the coding regions of 90 common fusion gene transcripts and the UTR regions of some genes for detection of RNA level fusion, variation and gene expression information, which is applicable to tumor diagnosis, prognosis and recurrence monitoring.

Recommended data size: 3 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat NO.
TargetSeq® Core Genes Fusion RNA Panel	T1119V1	582.6 kb	16 rxn	PH2000591
			96 rxn	PH2000592

Gene list:

90 Fusion Related Genes											
<i>ABL1*</i>	<i>ALK</i>	<i>BCL2+</i>	<i>BCOR*+</i>	<i>BRAF</i>	<i>BRD4*</i>	<i>CCDC6</i>	<i>CCND1</i>	<i>CIC+</i>	<i>COL1A1</i>	<i>CRTC1</i>	<i>DDIT3</i>
<i>DNAJB1</i>	<i>EGFR</i>	<i>EML4</i>	<i>EPC1</i>	<i>ERBB2+</i>	<i>ERG*</i>	<i>ETV1*</i>	<i>ETV4</i>	<i>ETV6*</i>	<i>EWSR1</i>	<i>EZR</i>	<i>FGFR1</i>
<i>FGFR2</i>	<i>FGFR3</i>	<i>FGR*</i>	<i>FLI1</i>	<i>FLT3</i>	<i>FOXO1</i>	<i>FUS</i>	<i>GLI1</i>	<i>HMG2</i>	<i>JAK2*</i>	<i>JAZF1</i>	<i>KIAA1549</i>
<i>KMT2A</i>	<i>LPP</i>	<i>MAML2</i>	<i>MAST1</i>	<i>MAST2</i>	<i>MET*</i>	<i>MLLT3</i>	<i>MYB</i>	<i>MYC</i>	<i>NAB2</i>	<i>NCOA1*</i>	<i>NCOA2*</i>
<i>NCOA4</i>	<i>NOTCH1</i>	<i>NOTCH2</i>	<i>NR4A3*</i>	<i>NRG1</i>	<i>NTRK1</i>	<i>NTRK2</i>	<i>NTRK3</i>	<i>NUTM1</i>	<i>PAX3</i>	<i>PAX5</i>	<i>PAX7</i>
<i>PAX8</i>	<i>PBX1</i>	<i>PDGFB</i>	<i>PDGFRA</i>	<i>PDGFRB+</i>	<i>PHF1</i>	<i>PIK3CA*</i>	<i>PLAG1*</i>	<i>PPARG*</i>	<i>PRKACA</i>	<i>RAF1</i>	<i>RARA*</i>
<i>RET</i>	<i>ROS1</i>	<i>RUNX1</i>	<i>SLC45A3</i>	<i>SS18</i>	<i>SSX1</i>	<i>SSX2</i>	<i>STAT6</i>	<i>SUZ12</i>	<i>TAF15</i>	<i>TCF3</i>	<i>TFE3</i>
<i>TFEB</i>	<i>TFG</i>	<i>TMPRSS2*+</i>	<i>TP53*</i>	<i>USP6*</i>	<i>YWHAE*</i>						

* Cover full 5'-UTR + Cover full 3'-UTR

Tumor structural variant 5% FFPE quality control product NEW

This product uses human-derived cell lines as raw material including 2 fusion forms, 2 SNV, 2 InDel and 2 amplifications, covering the key sites of targeted drugs of lung cancer and breast cancer, which is precisely quantified by digital PCR, and can be applied to evaluation and verification of diverse variants. This product can be used to validate the somatic mutation detection performance of NGS method and indoor quality control.

Product Name	Form	Spec	Cat. NO.
Tumor structural variant 5% FFPE standard product	FFPE	1 wax-sealed/tube	MD320

TargetSeq® NSCLC Panel V2

TargetSeq NSCLC Panel V2 is designed on the basis of 23 NSCLC related genes suggested by NCCN Guidance, which covers whole exons of 23 genes and hotspot fusion regions of BRAF, ALK, RET, ROSI and Met Exon 14 skipping mutation. It can detect mutation, fusion, copy number variation and insertion/deletion at one time to provide reference for clinical treatment.

Recommended sequencing depth / data size: 1000× / 1 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® NSCLC Panel V2	T892V1	170.1 kb	16 rxn	PH2000161
			96 rxn	PH2000162

Gene List:

23 Tumor-Related Genes											
ALK*	BRAF*	CDKN2A	EGFR*	ERBB2	KRAS	MAP2K1	MET*	NRAS	PIK3CA	RET*	ROS1*
TP53	NTRK1*	NTRK2*	NTRK3	NF1	STK11	PTEN	FGFR1*	FGFR2*	FGFR3*	NRG1	

* Genes of fusion hotspot regions covered

MultipSeq® BRCA1/2 Research Assay V2

This product covers sites of exons and significant introns in ClinVar of BRCA1/2 genes for detection of point mutations and insertion/deletion, applicable to diagnosis,screening and risk prediction of hereditary breast cancer,ovarian cancer etc.

Recommended sequencing depth / data size: 2000× / 0.15 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
MultipSeq® BRCA1/2 Research Assay V2 (for Illumina)	A216V2	20.2 kb	16 rxn	M62231
			96 rxn	M62232
MultipSeq® BRCA1/2 Research Assay V2 (for MGI PE100)	A722V1	20.2 kb	16 rxn	M62241
			96 rxn	M62242

Tumor-informed MRD Research Kit NEW, FOR FREE

Based on Tumor-informed assays, combined with self-developed hybrid capture system and high-throughput MRD Panel synthesis, a complete set of MRD hybrid capture reagents is launched, including hybrid capture reagent, blocking sequence and capture magnetic beads, combined with free customized MRD Panel to form a cost-effective, high stability MRD detection scheme, to promote the popularization of clinical application.

Product Name	Spec	Cat. NO.
Tumor-informed MRD Research Kit (for Illumina)*	16 rxn	C81171
	96 rxn	C81172

*Shipping list includes hybrid capture reagent, blocking sequence and capture magnetic beads.

MRD ctDNA quality control product NEW

MRD ctDNA quality control product uses human-derived cell line as raw material, obtaining four variation levels (0.5%, 0.05%, 0.005%, 0%/) via manual fragmentation of mixed DNA, simulation and dilution of ctDNA, quantified by NGS panel or digital PCR. This product covers common drug targets for lung cancer,colorectal cancer and breast cancer, including total 26 hotspot mutations: 18 SNV, 5 InDel (del1bp/2bp/15bp; ins9bp/12bp), 2 fusions and 1 MET Exon 14 Skipping Mutation. This product can be used to validate MRD detection and indoor quality control of NGS method.

Product Name	Form	Spec	Cat. NO.
MRD ctDNA quality control product suit	cfDNA	20 ng/μL, 500 ng/tube	MD080719

TargetSeq® Hema Tumor Fusion RNA Panel

This product covers 141 common fusion gene transcripts such as KMT2A, RARA and NUP98 in hematologic tumors, providing clinical reference for diagnosis, typing, prognosis and recurrence monitoring of hematological diseases. Recommended data size: 3 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Hema Tumor Fusion RNA Panel	T508V1RNA	851.2 kb	16 rxn	PT1006641
			96 rxn	PT1006642

Gene List:

141 Fusion Genes											
ABL1	ABL2	AFDN	AFF1	ALK	AP2A2	ARID1B	ATF7IP	BCL11A	BCL2	BCL6	BCL9
BCOR	BCR	BCS1L	BIRC3	BMP2K	CALM2	CBFA2T3	CBFB	CDK5RAP2	CD28	CHD6	CPSF6
CREBBP	CRLF2	CSF1R	CTLA4	DAZAP1	DEK	EBF1	ELL	EP300	EPOR	EPSI5	ERG
ETV6	EWSR1	FGFR1	FIP1L1	FOXJ2	FOXO4	FUS	GLIS2	GTF2I	HLF	HNRNPUL1	HOXA11
HOXA13	HOXA9	HOXC11	HOXD13	HRASLS5	IKZF1	IL2RB	IQGAP2	IRF2BP2	ITK	JAK2	KDM5A
KDM6A	KIF5B	KMT2A	KMT6A	LMBRD1	MBTD1	MECOM	MEF2D	MLF1	MLLT1	MLLT10	MLLT11
MLLT3	MLLT6	MNX1	MRTFA	MYB	MYC	MYH11	MYH9	NABP1	NCOA3	NID2	NPM1
NSD1	NTRK3	NUMA1	NUP214	NUP98	P2RY8	PAX5	PBX1	PDGFRA	PDGFRB	PHF21B	PMEL
PML	PPFIBP1	PRDM16	PRDX1	PRKAR1A	PRRX1	PTK2B	RANBP2	RARA	RARG	RBM15	RCSO1
RPL22	RPN1	RUNX1	RUNX1T1	SEPTIN6	SET	SNX2	SS18	SSBP2	STAG2	STAT3	STAT5B
STIL	STRN	STRN3	SYK	SYNRG	TAF15	TAL1	TBL1XR1	TCF3	TERF2	TNIP1	TPR
TRIM24	TSLP	TYK2	ZBTB16	ZC3HAV1	ZEB2	ZMIZ1	ZMYND11	ZNF384			

MultipSeq® FLT3-ITD Primer Pool NEW

FLT 3-ITD mutation is one of the common pathogenic mutations in AML, which has significant meaning in hema tumor prognosis and targeted therapy. On the basis of multiple amplicon sequencing technology, intron 13 to exon 15 have been put into the target region with combination with unique primer design scheme. This product can accurately detect the known and unknown ITD mutations on exons 14-15 through improving the detection sensitivity by random amplification.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
MultipSeq® FLT3-ITD Primer Pool (for Illumina TS)	A720V1	0.4 kb	16 rxn	PA6004121
			96 rxn	PA6004122

MultipSeq® TP53 Primer Pool NEW

As an important tumor suppressor gene in human body, TP53 can not only prevent the division of tumor cell and induce the apoptosis, but also can repair the damage of normal DNA. By detecting TP53 genotype, tumor genetic carriage of individuals can be assessed, providing guidance and reducing cancer probability. Therefore, this product is targeted at the CDS region of TP53 gene, performing efficient and convenient TP53 gene mutation detection by NGS gene sequencing on the basis of multiplex amplicon sequencing technology.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
MultipSeq® TP53 Primer Pool (for Illumina TS)	A748V1	1.3 kb	16 rxn	PA6005331
			96 rxn	PA6005332

MultipSeq® BCR-ABL1 Primer Pool NEW

Tyrosine kinase inhibitors (TKI) has been an important component of CML first-line treatment, but still some patients develop primary or secondary drug resistance, among which mutation in BCR-ABL1 kinase domain is the main mechanism. The results showed that more than half of CML patients resistant to Imatinib, Nilotinib and Dasatinib detected mutations in BCR-ABL1 kinase domain. Therefore, whether in ELN or NCCN guideline, mutation detection is recommended when CML patients appear non-optimal efficacy or treatment failure.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
MultipSeq® BCR-ABL1 Primer Pool (for Illumina TS)	A2083V1	1.0 kb	16 rxn	PA6006591
			96 rxn	PA6006592

TargetSeq® Lymphoma SV Panel NEW

Recombination of MYC, BCL2 or BCL6 with super-enhancers (IGH)is common in high-grade B-cell lymphomas. Although such structural variants didn’ t form specific fusion proteins, special subgroup with high aggressiveness and poor prognosis were formed due to proto-oncogene over expression/ amplification which is caused by special chromosome-level structural abnormalities. This probe capture product replaced the traditional FISH method, including the IGH category conversion region involved in common structural variation, and encryption coverage of the MTC regions of MYC, BCL2, BCL6 and etc, so as to provide a basis for clinical typing and prognosis of targeted molecular.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Lymphoma SV Panel	T2050V1	13.9 Mb	16 rxn	PH2001701
			96 rxn	PH2001702

Homologous Recombinant Repair Products

TargetSeq® HRD Panel

TargetSeq® HRD Panel is developed on the basis of genetic background and efficacy data of Chinese population, effectively covering about 37,000 SNP sites of the entire genome. The panel calculates genomic instability index(LOH,TAI and LST)scores through self-developed algorithm of iGeneTech to determine the HRD status of patients, and screens people who may benefit from platinum/PARP inhibitor drugs.

Recommended sequencing depth 500×, data size: 6 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® HRD Panel	T974V1hg38	3.9 Mb	16 rxn	PH2000971
			96 rxn	PH2000972

TargetSeq® HRR Panel

TargetSeq HRR Panel covers exons and splicing regions of 39 core genes(BRCA1/2 included) in homologous recombinant repair(HRR)pathway, assisting in determination of HRD status of tumor patients and screening of patients who may benefit from platinum/PARP inhibitor drugs.

Recommended sequencing depth 1000×, data size: 0.5 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® HRR Panel	T975V1hg38	177.9 kb	16 rxn	PH2003711
			96 rxn	PH2003712

Gene List:

39 Genes											
BRCA1	BRCA2	ATM	ATR	BARD1	BLM	BRIP1	CHEK1	CHEK2	FANCA	FANCC	FANCD2
FANCE	FANCF	FANCI	FANCL	FANCM	MRE11 (MRE11A)	NBN	PALB2	RAD50	RAD51	RAD51B	RAD51C
RAD51D	RAD52	RAD54L	RPA1	CDK12	EMSY	PTEN	SLX4	XRCC2	PPP2R2A (B55 A)	RBBP8 (CTIP)	MDC1 (NFB D1)
ABRAXAS1 (FAM175A)	WRN	TP53									

TargetSeq® HRD & HRR Panel V2

This product can realize gene variation detection of HRR pathway, and determine patient's HRD status with combination with IGT® self-developed HRD algorithm by calculating the instability index (LOH, TAI and LST). In addition, the product can achieve an effective depth ratio of HRR Panel to HRD Panel up to 4:1 in final capture data, which not only greatly reduces the sequencing cost of co-detection, but also provides a basis for screening people who may benefit from platinum/PARP inhibitor drugs.

Sequencing depth of HRR reaches 1200× and 300× for HRD when data size is 4 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® HRD & HRR Panel V2	T976V1hg38	4.1 Mb	16 rxn	PH2003801
			96 rxn	PH2003802

Immunology Products

TargetSeq® Human HLA Panel

According to the IMGT/HLA database, this panel is designed to cover the full-length sequence of A, B, C genes of HLA class I and the whole exon sequence of DRBI, DQBI, DPB1 genes of class II. The panel can achieve 6-digit high-resolution accurate typing, which can be applied to transplant matching, autoimmune disease research, drug allergy and other directions.

Recommended sequencing depth 1000×, data size: 0.2 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Human HLA Panel	T216V1	15.6 kb	16 rxn	PT1001831
			96 rxn	PT1001832

TargetSeq® Human HLA Panel V2

According to IMGT/HLA database, this panel is designed to cover the full-length sequence of HLA-A, B, C, DRB3/4/5 genes and the whole exon sequence of HLA-DRB1, DQB1, DPB1, DQA1, DPA1, DOA, DOB, DMA, DMB genes. The panel can achieve 6-digit high-resolution accurate typing for transplant matching, autoimmune disease research, drug allergy and other directions.

Recommended sequencing depth 1000×, data size: 1 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Human HLA Panel V2	T1194V1	67.1 kb	16 rxn	PH2001021
			96 rxn	PH2001022

TargetSeq® Human MHC Panel

TargetSeq® Human MHC Panel is designed on the basis of the full length of the genes of human leukocyte antigen(HLA), which includes the traditional HLA region (approximately 3.3 Mb) and its flanking regions(approximately 1.6 Mb). 8 haplotypes(PGF, COX, QBL, APD, DBB, MANN, MCF, SSTO) are added to achieve high coverage of HLA polymorphism regions. It can be used for immune diseases and oncology research, also provide reference for tissue and organ transplantation.

Recommended data size: 10 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
TargetSeq® Human MHC Panel	T231V2	4.9 Mb	16 rxn	PT1002021
			96 rxn	PT1002022

Human Immune Repertoire Products

MultipSeq® Human Immune Repertoire Products include specific primers designed for V and J genes according to the latest data from IMGT database. CDR3 region of TCR/BCR is amplified and diversity of sample immune repertoire was assessed at RNA level.

Recommended data size:1 Gb / chain.

Product Name	Panel NO.	Spec	Cat. NO.
MultipSeq® Human TCR Research Assay (for Illumina)*	A237V1TCR	16 rxn	M62021
		96 rxn	M62022
MultipSeq® Human TCR Research Assay (for MGI DI)*	A237V2TCR	16 rxn	M62031
		96 rxn	M62032
MultipSeq® Human BCR Research Assay (for Illumina)**	A237V1BCR	16 rxn	M62041
		96 rxn	M62042
MultipSeq® Human BCR Research Assay (for MGI DI)**	A237V2BCR	16 rxn	M62051
		96 rxn	M62052

Product Name	Panel NO.	Spec	Cat. NO.
MultiSeq® Human TCR-β Research Assay (for Illumina)	A237V1TRB	16 rxn	M62061
		96 rxn	M62062
MultiSeq® Human TCR-β Research Assay (for MGI DI)	A237V2TRB	16 rxn	M62071
		96 rxn	M62072

* TCR product includes chain of α\β\γ and δ
** BCR product includes chain of IgH\Igκ and Igλ
Non-human immune repertoire products such as mouse, rat, pig, all support customization.

Early Cancer Screening Products

BisCap® Human CpG Island Panel

This panel is designed on the basis of BisCap® methylation capture sequencing technology and the latest UCSC reference genome GRCh38 & patch sequence, with target size of 21.2 Mb covering 27,000 CpG islands and 13 known clinical methylation markers. This panel could be used for methylation marker screening, early-cancer screening and detection, MRD detection, etc.
Recommended sequencing depth 100×, data size: 10 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
BisCap® Human CpG Island Panel	TB018V1hg38	21.2 Mb	16 rxn	PB3000231
			96 rxn	PB3000232

Gene List:

13 Genes Related to Methylation Marker											
GSTP1	SHOX2	ONECUT2	BMP3	APC	IKZF1	RASSF1	OTX1	BCAT1	SEPT9	TWIST1	MGMT
NDRG4											

BisCap® Multi-Cancer Early Detection Panel

Based on BisCap® methylation capture sequencing technology with a target area 27.7kb, covering the methylation region of colorectal cancer, lung cancer and gastric cancer. One blood collection, synchronous detection of multiple cancers. This product can assist clinical non-invasive early diagnosis of cancer patients.
Recommended data size: 0.5 Gb.

Product Name	Panel NO.	Target Size	Spec	Cat. NO.
BisCap® Multi-Cancer Early Detection Panel	TB110V2hg19	27.7 kb	16 rxn	PB3000461
			96 rxn	PB3000462

Gene List:

Genes Related to Methylation Cancer Early Screening										
Gastric Cancer	Pancreatic Cancer	Prostate Cancer			Colorectal Cancer	Liver Cancer	Esophageal Cancer		Lung Cancer	
BARHL2	CD1D	GSTP1	APC	RASSF1	SEPTIN9	CDO1	EPB41L3	GPX3	SHOX2	RASSF1
										Intergenic region

Products Related to Animal and Plant Capture NEW

Products of Animal and Plant Whole Exon Series

Based on TargetSeq® hybridization capture sequencing technology and IGT® Oligo Pools synthesis platform, this probe is designed for whole exon regions of animals and plants, which can be widely used in molecular breeding, population genetic analysis, BSA fine mapping, and mutant pool sequencing, etc.

Product Name	Ref. Genome	Panel NO.	Target Size	Spec	Cat. NO.
Wheat Whole-Exon-Capture Products	Triticum aestivum (IWGSC V2.1)	T1173XV2	132.6 Mb	16 rxn	PH2003291
				96 rxn	PH2003292
Barley Whole-Exon-Capture Products	Hordeum vulgare (MorexV3)	T2151XV1	42.0 Mb	16 rxn	PH2002771
				96 rxn	PH2002772
Pinpine Whole-Exon-Capture Products	Pinus tabulaeformis	T2041XV1	111.1 Mb	16 rxn	PH2001601
				96 rxn	PH2001602
Maize Whole-Exon-Capture Products	Zea mays (B73 V5)	T2045XV1	45.5 Mb	16 rxn	PH2001651
				96 rxn	PH2001652
Mouse Whole-Exon-Capture Products	Mus musculus (mm39)	T2171XV1	38.4 Mb	16 rxn	PH2002981
				96 rxn	PH2002982
Rat Whole-Exon-Capture Products	Rattus norvegicus (GRCr8)	T2223XV1	38.3 Mb	16 rxn	PH2003481
				96 rxn	PH2003482
Canine Whole-Exon-Capture Products	Canis lupus familiaris (canFam4)	T2172XV1	36.0 Mb	16 rxn	PH2002991
				96 rxn	PH2002992
Porcine Whole-Exon-Capture Products	Sus scrofa (Sscrofa11.1)	T2238XV1	35.8 Mb	16 rxn	PH2003631
				96 rxn	PH2003632
Bovine Whole-Exon-Capture Products	Bos taurus (ARS-UCD2.0)	T2319XV1	36.9 Mb	16 rxn	PH2004451
				96 rxn	PH2004452
Chicken Whole-Exon-Capture Products	Gallus gallus (GRCg7b)	T2318XV1	32.1 Mb	16 rxn	PH2004441
				96 rxn	PH2004442
SheepWhole-Peripherals-Capture	Ovis aries (ARS-UI-Ramb_v3.0)	T2342XV1	36.9 Mb	16 rxn	PH2004651
				96 rxn	PH2004652

Animal and Plant Mitochondrial Series Products

Based on TargetSeq® hybridization capture sequencing technology, probes are designed for the full-length of the mitochondrial genome of animals and plants to capture the full-length mitochondrial genome.
Recommended sequencing depth: 5000×,data size: 0.2 Gb.

Product Name	Ref.Sequence	Panel NO.	Target size	Spec	Cat. NO.
TargetSeq® Mus musculus Mitochondrial Panel	NC_005089.1	T778XV1	16.3 kb	96 rxn	PT1010282
TargetSeq® Bos taurus Mitochondrial Panel	NC_006853.1	T2037XV1	16.3 kb	96 rxn	PH2001562

Products Related to Microbiology Capture **NEW**

Pathogen-related extraction kit

Magnetic Bead Method Pathogenic DNA / RNA Extraction Kit

This kit is suitable for isolating and purifying DNA & RNA from biological fluid samples (alveolar lavage fluid, blood, sputum, cerebrospinal fluid, swab fluid, etc.) and microbial culture samples, and the extracted microbial nucleic acid contains that of the original host. It is suitable for various downstream applications, such as PCR, Real-Time PCR, metagenomic library & DNA/RNA colibrary prep, etc.

Product Name	Spec	Cat. NO.
Magnetic Bead Method Pathogenic DNA / RNA Extraction Kit	20 rxn	E10028
	50 rxn	E10021

Magnetic Bead Method Pathogenic DNA / RNA Extraction Kit (Host Removal)

This kit can efficiently remove the host nucleic acids in various types of biological liquid samples, enriching and purifying the microbial nucleic acids based on nano-magnetic bead nucleic acid extraction technology. It is compatible with nucleic acid co-extraction scheme without host removal, and is suitable for a variety of downstream applications, such as PCR, Real-Time PCR, metagenomic library prep, etc.

Product Name	Spec	Cat. NO.
Magnetic Bead Method Pathogenic DNA / RNA Extraction Kit (Host Removal)	50 rxn	E20011
	200 rxn	E20012

Pathogen Library Prep & Capture Kit

IGT® Pathogen Library Prep & Capture Kit is a complete second generation library prep and hybrid elution kit for pathogen whole genome capture sequencing process, including related reagents of full set of library, hybrid elution and capture, the application of hybrid premixed liquid greatly simplified the experimental process and suitable for second generation sequencing platform such as Illumina, MGI, Sail Medical, Zhenmai Bio and etc.

Product Name	Spec	Cat. NO.
IGT® DNA Pathogen Microbial Library Prep & Capture Kit (Illumina)	16 rxn	C11361
IGT® RNA Pathogen Microbial Library Prep & Capture Kit (Illumina)	16 rxn	C11371
IGT® DNA Pathogen Microbial Library Prep & Capture Kit (MGI)	16 rxn	C11431
IGT® RNA Pathogen Microbial Library Prep & Capture Kit (MGI)	16 rxn	C11441

RIT Full-Length Capture Pre-defined Panel

Product Name	Panel NO.	Spec	Cat. NO.
Influenza Virus Whole-genome Capture	T921XV1	16 rxn	PH2000051
		96 rxn	PH2000052
SARS-CoV-2 Whole-genome Capture	T1302XV1	16 rxn	PH2001721
		96 rxn	PH2001722
Other Pathogenic Coronaviruses Whole-genome Capture	T1303XV1	16 rxn	PH2001541
		96 rxn	PH2001542
MPn Whole-genome Capture	T964XV1	16 rxn	PH2000031
		96 rxn	PH2000032
HRSV Whole-genome Capture	T1202XV1	16 rxn	PH2000701
		96 rxn	PH2000702
Haemophilus influenzae Whole-genome Capture	T1186XV1	16 rxn	PH2003791
		96 rxn	PH2003792
Bordetella pertussis Whole-genome Capture	T1192XV1	16 rxn	PH2001121
		96 rxn	PH2001122
Streptococcus pyogenes Whole-genome Capture	T1193XV1	16 rxn	PH2003471
		96 rxn	PH2003472
hMPV Whole-genome Capture	T1206XV1	16 rxn	PH2001131
		96 rxn	PH2001132
Human respirovirus Whole-genome Capture	T1219XV1	16 rxn	PH2001381
		96 rxn	PH2001382
Human mastadenovirus Whole-genome Capture	T1211XV1	16 rxn	PH2001061
		96 rxn	PH2001062
Mycobacterium tuberculosis Whole-genome Capture	T2004XV1	16 rxn	PH2001181
		96 rxn	PH2001182
Rhinovirus Whole-genome Capture	T2065XV1	16 rxn	PH2001881
		96 rxn	PH2001882
Chlamydia Psittaci Whole-genome Capture	T2090XV1	16 rxn	PH2002161
		96 rxn	PH2002162
Yersinia pestis Whole-genome Capture	T2025XV1	16 rxn	PH2001451
		96 rxn	PH2001452
Human alphaherpesvirus 3/VZV Whole-genome Capture	T2291XV1	16 rxn	PH2004171
		96 rxn	PH2004172
Klebsiella pneumoniae Whole-genome Capture	T2235XV1	16 rxn	PH2003601
		96 rxn	PH2003602
Acinetobacter baumannii Whole-genome Capture	T2233XV1	16 rxn	PH2003581
		96 rxn	PH2003582
Streptococcus pneumoniae Whole-genome Capture	T2234XV1	16 rxn	PH2003591
		96 rxn	PH2003592

Respiratory Pathogens Whole Genome Capture Pre-defined Panels

Product Name	Panel NO.	Pathogens for Identification	Cat. NO.(16 rxn)	Cat. NO.(96 rxn)
14 Common Respiratory Pathogens	T1025XV1	14	PH2000331	PH2000332

Pathogens List:

MPn	Chlamydia pneumoniae	Streptococcus pneumoniae	RS Virus	HRSV
SARS-CoV-2	Common coronavirus	Human respirovirus	Influenza Virus	Coxsackie virus
Human mastadenovirus	MPV	Boca virus	Enterovirus	

Product Name	Panel NO.	Pathogens for Identification	Cat. NO. (16 rxn)	Cat. NO. (96 rxn)
4 Epidemic Respiratory RNA Viruses Whole Genome Capture	T2115XV1	4	PH2002411	PH2002412

Pathogens List:

Influenza Virus	RS Virus	hMPV	Parainfluenza Virus
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Product Name	Panel NO.	Pathogens for Identification	Cat. NO. (16 rxn)	Cat. NO. (96 rxn)
5 Epidemic Respiratory RNA Viruses Whole Genome Capture	T2287XV1	5	PH2004131	PH2004132

Pathogens List:

Adenovirus Hominis	Influenza Virus	RS Virus	hMPV	Parainfluenza virus
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GI Related Pathogens Whole Genome Capture Pre-defined Panels

Product Name	Panel NO.	Cat. NO.(16 rxn)	Cat NO.(96 rxn)
Norovirus Whole Genome Capture	T1205XV1	PH2001391	PH2001392
Rotavirus Whole Genome Capture	T1201XV1	PH2002361	PH2002362
Enterovirus Whole Genome Capture	T2064XV1	PH2001871	PH2001872
Helicobacter pylori Whole Genome Capture	T734XV1	PT1014261	PT1014262
Vibrio cholerae Whole Genome Capture	T2024XV1	PH2001441	PH2001442

Immunodeficiency Related Pathogens Whole Genome Capture Pre-defined Panels

Product Name	Panel NO.	Cat. NO.(16 rxn)	Cat. NO.(96 rxn)
Monkeypox virus (MPXV) Whole Genome Capture	T2139XV1	PH2002641	PH2002642
HIV-1 Whole Genome Capture	T1135XV2	PH2000551	PH2000552

Tumor Related Pathogens Whole Genome Capture Pre-defined Panels

Product Name	Panel NO.	Cat NO.(16 rxn)	Cat. NO.(96 rxn)
Hepatitis B virus Whole Genome Capture	T2015XV1	PH2001301	PH2001302
HPV Whole Genome Capture	T2005XV1	PH2001191	PH2001192
HHV-4 Whole Genome Capture	T2042XV1	PH2001611	PH2001612

Blood Infection Related Pathogens Whole Genome Capture Pre-defined Panels

Product Name	Panel NO.	Cat. NO.(16 rxn)	Cat. NO.(96 rxn)
HCV Whole Genome Capture	T2180XV1	PH2003051	PH2003052

Predefined Whole Genome Capture Panel Related to Arthropod Vector Pathegons

Product Name	Panel NO.	Cat. NO.(16 rxn)	Cat. NO. (96 rxn)
Dengue Virus Whole Genome Capture	T2107XV1	PH2002321	PH2002322
CHIK Whole Genome Capture	T2125XV1	PH2002491	PH2002492
YFV Whole Genome Capture	T2124XV1	PH2002481	PH2002482
Zika Virus Whole Genome Capture	T2112XV1	PH2002381	PH2002382
SFTSV Whole Genome Capture	T2294XV1	PH2004201	PH2004202

Predefined Whole Genome Capture Panel Related to Animal Disease Pathegons

Product Name	Panel NO.	Cat. NO.(16 rxn)	Cat. NO.(96 rxn)
Asfivirus Whole Genome Capture	T1038XV1	PH2000121	PH2000122
Porcine Respiratory&Reproductive syndrome virus Whole Genome Capture	T1039XV1	PH2000131	PH2000132

Predefined Whole Genome Capture Panel Related to Other Pathegons

Product Name	Panel NO.	Cat. NO.(16 rxn)	Cat. NO.(96 rxn)
Drug Resistance Gene Capture	T2297XV1	PH2004231	PH2004232

Pathogens Identification Products

MultipSeq® RTI Pathogen Research Assay

Based on MultipSeq® multiplex amplicon sequencing technology, 92 respiratory pathogens identification kits were developed, covering common pathogens of clinical respiratory departments and Hospital-Acquired Infection(HAI), and the detection sensitivity is significantly improved. Compared with mNGS, there is a higher data utilization rate and lower detection cost.

Product Name	Panel NO.	Pathogens for Identification	Spec	Cat. NO.
MultipSeq® RTI Pathogen Research Assay	A514XV2	92 respiratory pathogens	16 rxn	PA6005281
			96 rxn	PA6005282

Pathogens list(part):

Fungi (12 in total)			
Histoplasma Capsulatum	Pneumocystis Carinii	Aspergillus terreus	Aspergillus
Aspergillus Flavus	Aspergillus Niger	Aspergillus Fumigatus	Candida Albicans et al

Bacteria (28 in total)			
Staphylococcus Aureus	Staphylococcus Epidermidis	Staphylococcus Haemolyticus	Streptococcus Sanguinis
Streptococcus Pneumoniae	Streptococcus Pyogenes	Pseudomonas Aeruginosa	Cryptococcus et al
Viruses (52 in total)			
Metapneumovirus	Orthopneumovirus	Coxsackie Virus	Enterovirus
Mastadenovirus	Rhinovirus	Boca Virus	Clostridium Virus
Flu A HI	Flu A H3/N2 et al		

TargetSeq® Pan Pathogen tNGS Panel

Based on TargetSeq® hybridization capture sequencing technology, 435 common pathogens identification panels were developed, covering the majority of common infectious pathogens in clinical detection. As an effective assisted diagnostic means, TargetSeq® Pan Pathogen tNGS Panel provides useful supplement and confirmation for clinical diagnosis. Worked with a mature hybridization rapid capture system SE50, it can meet the extremely fast TAT requirements reported in 16h*.

Product Name	Panel NO.	Pathogens for Identification	Spec	Cat. NO.
TargetSeq® Pan Pathogen tNGS Panel	T984XV2	435 Common Pathogens	16 rxn	PH2000511
			96 rxn	PH2000512

*Sequencing time was calculated due to official DNBSEQ-G99 SE100.

Pathogens list(part):

Fungi (62 in total)			
Aspergillus	Aspergillus Flavus	Aspergillus Niger	Aspergillus Fumigatus
Blastomyces dermatitidis	Coccidioides immitis	Coccidioides posadas	Histoplasma Capsulatum
Paracoccidioides brasiliensis	Candida Albicans	Candida dubliniensis	[Candida] glabrata complex et al
Bacteria (296 in total)			
Streptococcus Pneumoniae	Streptococcus Salivarius	Staphylococcus Aureus	Staphylococcus Epidermidis
Streptococcus Sanguinis	Streptococcus Pyogenes	Vibrio Cholerae	Pseudomonas Aeruginosa
Enterococcus Faecalis	Enterococcus Faecium	Lichtheimia	Mycobacterium tuberculosis
Bartonella crustox	Bartonella dogi	Bartonella Elizabethkingia	Bartonella Grahamii
Mycobacterium africanum	Mycobacterium caprae	Mycobacterium microti	Mycobacterium asiaticum et al
Viruses (77 in total)			
Herpesvirus	Mastadenovirus	Enterovirus	Rhinovirus
Coronavirus	Human Orthopneumovirus	Human Metapneumovirus	Coxsackie Virus et al

NGS Universal Kits

Catalog

IGT® Library Prep and Adapter Kits	20
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IGT® Library Prep and Adapter Kits

IGT® Enzyme Plus Library Prep Kit

IGT® Enzyme Plus Library Prep Kit V3 is a universal enzymic DNA library preparation kit. This kit integrates DNA fragmentation, end-repair and 3'end adding dA-tailing into one step, allowing more gentle enzymatic reaction and controllable operation with a lower artifact rate. This Kit could be used for library preparation for Illumina / MGI with corresponding adapters.

Product Name	Spec	Cat. NO.
IGT® Enzyme Plus Library Prep Kit V3	16 rxn	C11111
	96 rxn	C11112

IGT® Fast Library Prep Kit

IGT® Fast Library Prep Kit v2.0 is a universal double-stranded DNA library preparation kit for cfDNA and FFPE gDNA samples.The kit is based on T-A ligation principle with increased transformation efficiency, and could carry out detection of cfDNA low-frequency mutations matching MI technology.

Product Name	Spec	Cat. NO.
IGT® Fast Library Prep Kit v2.0	16 rxn	C10021
	96 rxn	C10022

Long-Read Tagment DNA Library Prep Kit

IGT® Long-Read Tagment DNA Library Prep Kit is a tagment DNA library preparation kit for third-generation whole genome library or target region hybridization capture sequencing, where the kit could use 1 µg DNA as input and finish library preparation within 4 hours with optimized reaction system.

Product Name	Spec	Cat. NO.
IGT® Long-Read Tagment DNA Library Prep Kit*	16 rxn	C10931
	96 rxn	C10932

* Require working with NXT library-specific UDI adapter kits and blocking oligos.

RNA Library Prep Kit

IGT® Fast Stranded RNA Library Prep Kit v2.0 is for total RNA strand-specific library preparation on Illumina and MGI, working together with hybridization capture kits for RNA capture sequencing.

Product Name	Spec	Cat. NO.
IGT® Fast Stranded RNA Library Prep Kit v2.0	16 rxn	C10031
	96 rxn	C10032

ssDNA Library Prep Kit

IGT® ssDNA Library Prep Kit is a universal single-stranded DNA library preparation kit for cfDNA and FFPE gDNA samples. The kit allows adapter ligation to single strand DNA to increase utilization rate of original molecules as well as the library complexity, which has significant advantages in methyl and genomic library construction with low-starting sample.

Product Name	Spec	Cat. NO.
IGT® ssDNA Library Prep Kit*	16 rxn	C10911
	96 rxn	C10912

* Require working with ssDNA library-specific adapter kits and blocking oligos.

Methyl Library Prep Kit

IGT® Methyl Fast Library Prep Kit v2.0 is a universal methyl library preparation kit based on T-A ligation principle, by ligating corresponding methyl adapter and bisulfite treatment, Methyl library could be obtained for Illumina / MGI squencing platform.

Product Name	Spec	Cat. NO.
IGT® Methyl Fast Library Prep Kit v2.0*	16 rxn	B30011
	96 rxn	B30012

* Require working with Methyl library-specific adapter kits and hyb & wash kits.

Universal Adapter Kits(Illumina / MGI)

IGT® Adapter & Primer is a universal adapter kit applies to Illumina and MGI. MGI offers 384 types of Index UDI sequence, Illumina offers 384 types of 8nt UDI sequence & 768 types of 10nt UDI sequence, which can meet NGS polling requirements of single lane ultra-high data yield. For customers with ultra-high requirements on samples, we can also provide 2 specifications of Illumina CDI sequence, up to 4608 samples per lane.

Product Name	Spec	Cat. NO.
IGT® Adapter & UDI Primer 1-16 (for Illumina, tube)	16*1 rxn	C10081
IGT® Adapter & UDI Primer 1-96 (for Illumina, plate)	96*1 rxn	C10042
IGT® Adapter & UDI Primer 97-192 (for Illumina, plate)	96*1 rxn	C10052
IGT® Adapter & UDI Primer 193-288 (for Illumina, plate)	96*1 rxn	C10062
IGT® Adapter & UDI Primer 289-384 (for Illumina, plate)	96*1 rxn	C10072
IGT® Adapter & UDI Primer 1-96 (for Illumina, tube)	96*10 rxn	C10043
IGT® Adapter & UDI Primer 97-192 (for Illumina, tube)	96*10 rxn	C10053
IGT® Adapter & UDI Primer 193-288 (for Illumina, tube)	96*10 rxn	C10063
IGT® Adapter & UDI Primer 289-384 (for Illumina, tube)	96*10 rxn	C10073
IGT® Adapter & 10 nt UDI Primer 1-768 (for Illumina, plate) ^{NEW}	768*1 rxn	C11282
IGT® Adapter & Dual-Indexed Primer 1-96*1-12 (for Illumina, plate) ^{NEW}	96*12 rxn	C11292
IGT® Adapter & Dual-Indexed Primer 1-96*1-48 (for Illumina, plate) ^{NEW}	96*48 rxn	C11302
IGT® Adapter & UDI Primer 1-16 (for MGI, tube)	16*1 rxn	C10221
IGT® Adapter & UDI Primer 1-96 (for MGI, plate)	96*1 rxn	C10182
IGT® Adapter & UDI Primer 97-192 (for MGI, plate)	96*1 rxn	C10192
IGT® Adapter & UDI Primer 193-288 (for MGI, plate)	96*1 rxn	C10202
IGT® Adapter & UDI Primer 289-384 (for MGI, plate)	96*1 rxn	C10212
IGT® Adapter & UDI Primer 1-96 (for MGI, tube)	96*10 rxn	C10183
IGT® Adapter & UDI Primer 97-192 (for MGI, tube)	96*10 rxn	C10193

Universal Adapter Kit(Illumina & MGI) NEW

IGT® Adapter & Universal 10nt UDI Primer 1-384, suitable for both Illumina and MGI (without special processing for MGI, use APP-A after library construction and then use APP-D kit).

Product Name	Spec	Cat. NO.
IGT® Adapter & Universal 10nt UDI Primer 1-384	384 *1 rxn	C11272

IGT® UMI Adapter Kits(Illumina/MGI)

IGT® UMI Adapter & Primer is a universal adapter reagent suitable for Illumina and MGI with UMI added, providing a total of 384 types of Index UDI sequences, which can meet the polling requirements of single lane ultra-high data yield of high-throughput sequencing platforms.

Product Name	Spec	Cat. NO.
IGT® UMI Adapter & UDI Primer 1-16 (for Illumina, tube)	16*1 rxn	C10131
IGT® UMI Adapter & UDI Primer 1-96 (for Illumina, plate)	96*1 rxn	C10092
IGT® UMI Adapter & UDI Primer 97-192 (for Illumina, plate)	96*1 rxn	C10102
IGT® UMI Adapter & UDI Primer 193-288 (for Illumina, plate)	96*1 rxn	C10112
IGT® UMI Adapter & UDI Primer 289-384 (for Illumina, plate)	96*1 rxn	C10122
IGT® UMI Adapter & UDI Primer 1-96 (for Illumina, tube)	96*10 rxn	C10093
IGT® UMI Adapter & UDI Primer 97-192 (for Illumina, tube)	96*10 rxn	C10103
IGT® UMI Adapter & UDI Primer 193-288 (for Illumina, tube)	96*10 rxn	C10113
IGT® UMI Adapter & UDI Primer 289-384 (for Illumina, tube)	96*10 rxn	C10123
IGT® UMI Adapter & UDI Primer 1-16 (for MGI, tube)	16*1 rxn	C10271
IGT® UMI Adapter & UDI Primer 1-96 (for MGI, plate)	96*1 rxn	C10232
IGT® UMI Adapter & UDI Primer 97-192 (for MGI, plate)	96*1 rxn	C10242
IGT® UMI Adapter & UDI Primer 193-288 (for MGI, plate)	96*1 rxn	C10252
IGT® UMI Adapter & UDI Primer 289-384 (for MGI, plate)	96*1 rxn	C10262
IGT® UMI Adapter & UDI Primer 1-96 (for MGI, tube)	96*10 rxn	C10233
IGT® UMI Adapter & UDI Primer 97-192 (for MGI, tube)	96*10 rxn	C10243
IGT® UMI Adapter & UDI Primer 193-288 (for MGI, tube)	96*10 rxn	C10253
IGT® UMI Adapter & UDI Primer 289-384 (for MGI, tube)	96*10 rxn	C10263

Long Read–Length NXT Library UDI Adapter Kit

IGT® UDI Primer 1-16 (20 μM each, for Long-Read NXT Library, tube) is a dual indexes, unique label (UDI) adapter reagent of NXT library suitable for third-generation sequencing, providing 16 UDI sequences, which can meet the polling requirements of multiple samples.

Product Name	Spec	Cat. NO.
IGT® UDI Primer 1-16 (20 μM each, for Long-Read NXT Library, tube)	16*1 rxn	C11001

Product Name	Spec	Cat. NO.
IGT® UDI Primer 1-96 (20 μM each, for Long-Read NXT Library, plate)	96*1 rxn	C11002

ssDNA Library UDI Adapter Kit(Illumina)

IGT® ssDNA Adapter & UDI Primer applies to adapter kits of ssDNA library,only Illumina version currently.

Product Name	Spec	Cat. NO.
IGT® ssDNA Adapter & UDI Primer 1-16 (for Illumina, tube)	16*1 rxn	C10861
IGT® ssDNA Adapter & UDI Primer 1-96 (for Illumina, plate)	96*1 rxn	C10872
IGT® ssDNA Adapter & UDI Primer 97-192 (for Illumina, plate)	96*1 rxn	C10882
IGT® ssDNA Adapter & UDI Primer 193-288 (for Illumina, plate)	96*1 rxn	C10892
IGT® ssDNA Adapter & UDI Primer 289-384 (for Illumina, plate)	96*1 rxn	C10902

Methyl Library UDI Adapter Kit(Illumina / MGI)

IGT® Methyl Adapter & Primer is a universal methylation adapter kit suitable for Illumina and MGI, providing a total of 384 Index UDI sequences, which can meet NGS polling requirements of single lane ultra-high data yield.

Product Name	Spec	Cat. NO.
IGT® Methyl Adapter & UDI Primer 1-16 (for Illumina, tube)	16*1 rxn	B30061
IGT® Methyl Adapter & UDI Primer 1-96 (for Illumina, plate)	96*1 rxn	B30022
IGT® Methyl Adapter & UDI Primer 97-192 (for Illumina, plate)	96*1 rxn	B30032
IGT® Methyl Adapter & UDI Primer 193-288 (for Illumina, plate)	96*1 rxn	B30042
IGT® Methyl Adapter & UDI Primer 289-384 (for Illumina, plate)	96*1 rxn	B30052
IGT® Methyl Adapter & UDI Primer 1-16 (for MGI, tube)	16*1 rxn	B30161
IGT® Methyl Adapter & UDI Primer 1-96 (for MGI, plate)	96*1 rxn	B30172
IGT® Methyl Adapter & UDI Primer 97-192 (for MGI, plate)	96*1 rxn	B30182
IGT® Methyl Adapter & UDI Primer 193-288 (for MGI, plate)	96*1 rxn	B30192
IGT® Methyl Adapter & UDI Primer 289-384 (for MGI, plate)	96*1 rxn	B30202

Pure Beads

IGT® Pure Beads can be used in scenarios such as sample and library purification, fragment screening in NGS experiments. The magnetic beads have a stable performance and high nucleic acid recovery.

Product Name	Spec	Cat. NO.
IGT® Pure Beads	20 mL	C80661
	100 mL	C80662

TargetSeq® Hybridization Capture Kits

TargetSeq One® Hyb & Wash Kits

TargetSeq One® Hyb & Wash Kit v2.0 is developed on the hybridization capture workflow of IGT® TargetSeq One®, applicable to standard and customized RNA/DNA probes. The kit is compatible with RNA/DNA probes from other manufacturers with a stable performance. There are 2 versions due to different adaptation libraries.

Product Name	Spec	Cat. NO.
TargetSeq One® Hyb & Wash Kit v2.0 (for Illumina)	16 rxn	C10331
	96 rxn	C10332
TargetSeq One® Hyb & Wash Kit v2.0 (for MGI DI)	16 rxn	C10351
	96 rxn	C10352

Please consult the technical support for other versions.

BisCap® Methyl Hyb & Wash Kit

TargetSeq One® BisCap® Hyb & Wash Kit is applicable to TargetSeq One® BisCap® methyl hybridization capture workflow for standard and customized BisCap® RNA/DNA probes. There are 2 versions due to different adaptation library.

Product Name	Spec	Cat. NO.
TargetSeq One® BisCap® Hyb & Wash Kit (for Illumina)	16 rxn	B30121
	96 rxn	B30122
TargetSeq One® BisCap® Hyb & Wash Kit (for MGI DI)	16 rxn	B30141
	96 rxn	B30142

Magnetic Beads for Capture

TargetSeq® Cap Beads & Nuclease-Free Water is a kit of Streptavidin magnetic beads and Nuclease-free water, applicable to TargetSeq® hybridization capture workflow.

Product Name	Spec	Cat. NO.
TargetSeq® Cap Beads & Nuclease-Free Water*	1000 µL each	C10421
	5 mL each	C10422
	50 mL each	C10423

* TargetSeq® Cap Beads & Nuclease-Free Water are with equal volume.

Universal Blocking Oligo

TargetSeq® Universal Blocking Oligo is applicable to TargetSeq® hybridization capture workflow, connecting adapters to prevent cross-hybridization between adapter sequences and to improve the target capture specificity & data utilization. iGeneTech offers two types of universal blocking oligo kits, among which TargetSeq® Eco Universal Blocking Oligo can block libraries up to 3 µg, and 6 µg for TargetSeq® Universal Blocking Oligo. Please be noted that there are multiple versions which adapt to different library structures and cannot be shared between.

Product Name	Spec	Cat. NO.
TargetSeq® Eco Universal Blocking Oligo (for Illumina)	16 rxn	C80501
	96 rxn	C80502
TargetSeq® Eco Universal Blocking Oligo (for Illumina NXT)	16 rxn	C80511
	96 rxn	C80512
TargetSeq® Eco Universal Blocking Oligo (for Illumina ssDNA Library)	16 rxn	C80791
	96 rxn	C80792
TargetSeq® Eco Universal Blocking Oligo (for MGI DI)	16 rxn	C80531
	96 rxn	C80532
TargetSeq® Universal Blocking Oligo (for Illumina)	16 rxn	C80491
	96 rxn	C80492
TargetSeq® Universal Blocking Oligo (for MGI DI)	16 rxn	C80521
	96 rxn	C80522

TargetSeq® Universal Kit

TargetSeq® Human rRNA Blocking Oligo is applicable to RNA capture workflow for blocking of human ribosomal sequence to increase on-target capture efficiency and further lower the sequencing cost.

Product Name	Spec	Cat. NO.
TargetSeq® Human rRNA Blocking Oligo*	16 rxn	C80931
	96 rxn	C80932

* Require working with TargetSeq One® Hyb & Wash Kit or v2.0, pure beads, cap beads and universal blocking oligos.

TargetSeq® Universal Post PCR Primer (25 µM) has phosphorylation modification at 5'end, enabling MGI sequencing after direct cyclization without App-A adapter transfer in final library. Illumina is also supported.

Product Name	Spec	Cat. NO.
TargetSeq® Universal Post PCR Primer (25 µM)*	96 rxn	C80882

* Require working with TargetSeq One® Hyb & Wash Kit (or v2.0), pure beads, cap beads and universal blocking oligos. Pls replace the Post PCR Primer (25 µM, for Illumina) of the kit upon using.

MultipSeq® Multiplex Amplicon Library Prep Kits

MultipSeq® Library Prep Kit

MultipSeq® Library Prep Kit is applicable to MultipSeq® multiplex amplicon library prep on Illumina & MGI, including different versions matching different MultipSeq® Primer Pool. Ensure it’s the right version matches corresponding MultipSeq® Primer Pool before use.

Product Name	Spec	Cat. NO.
MultipSeq® Library Prep Kit (200)*	16 rxn	M61021
	96 rxn	M61022

* MultipSeq® Library Prep Kit offers multiple versions (only 200 versions on market), the customized & standard products may differ, should be chosen due to Panel.

MultipSeq® Multiplex Amplicon Adapter Kit(Illumina/MGI)

MultipSeq® Index Primer is applicable to Illumina and MGI, providing 384 types of CDI & UDI sequence constituted of Index, and can meet the NGS polling requirements of single lane ultra-high data yield. iGenetech also offers unmixed dual-Indexed adapters of 1-96*1-10 to meet higher-throughput requirements.

Product Name	Spec	Cat. NO.
IGT® UDI Primer 1-96 (10 µM each, for Illumina TS, plate)	96*1 rxn	M70222
IGT® UDI Primer 97-192 (10 µM each, for Illumina TS, plate)	96*1 rxn	M70232
IGT® UDI Primer 193-288 (10 µM each, for Illumina TS, plate)	96*1 rxn	M70242
IGT® UDI Primer 289-384 (10 µM each, for Illumina TS, plate)	96*1 rxn	M70252
IGT® UDI Primer 1-16 (10 µM each, for Illumina TS, tube)	16*1 rxn	M60231
MultipSeq® CDI Primer 1-96 (5 µM each, for Illumina, plate)	96*1 rxn	M70062
MultipSeq® CDI Primer 97-192 (5 µM each, for Illumina, plate)	96*1 rxn	M70072
MultipSeq® CDI Primer 193-288 (5 µM each, for Illumina, plate)	96*1 rxn	M70082
MultipSeq® CDI Primer 289-384 (5 µM each, for Illumina, plate)	96*1 rxn	M70092
MultipSeq® CDI Primer 1-16 (5 µM each, for Illumina, tube)	16*1 rxn	M60031
MultipSeq® Dual-Indexed Primer 1-96*1-10 (10 µM, for Illumina, tube)	96*10 rxn	M60193
MultipSeq® UDI Primer 1-96 (5 µM each, for MGI, plate)	96*1 rxn	M70132
MultipSeq® UDI Primer 97-192 (5 µM each, for MGI, plate)	96*1 rxn	M70142
MultipSeq® UDI Primer 193-288 (5 µM each, for MGI, plate)	96*1 rxn	M70152
MultipSeq® UDI Primer 289-384 (5 µM each, for MGI, plate)	96*1 rxn	M70162
MultipSeq® UDI Primer 1-16 (5 µM each, for MGI, tube)	16*1 rxn	M60101
MultipSeq® Dual-Indexed Primer 1-96*1-10 (10 µM, for MGI, tube)	96*10 rxn	M60203

Extraction Kits **NEW**

Product Name	Spec	Cat. NO.
Enhanced magnetic bead method mass free DNA extraction kit	20 rxn	E10018
	50 rxn	E10011
Magnetic bead method pathogens DNA/RNA extraction kit	20 rxn	E10028
	50 rxn	E10021
Magnetic bead method pathogen DNA/RNA extraction kit(host removal)	50 rxn	E20011
	200 rxn	E20012
Magnetic bead method universal nucleic acid extraction kit	50 rxn	E10211
	200 rxn	E10212
Magnetic bead method FFPE DNA/RNA co-extraction kit	50 rxn	E10061
	200 rxn	E10062
Magnetic bead method FFPE RNA extraction kit	50 rxn	E20031
	200 rxn	E20032
Magnetic bead method tissue & nucleic acid co-extraction kit	50 rxn	E20041
	200 rxn	E20042
Magnetic bead method DNA/RNA product recovery and purification extraction kit	50 rxn	E10131
	200 rxn	E10132
Magnetic bead method soil and fecal nucleic acids extraction kit	50 rxn	E10141
	200 rxn	E10142
Magnetic bead method blood nucleic acids fast extraction kit	50 rxn	E10151
	200 rxn	E10152
Magnetic bead method Formaldehyde tissue nucleic acid extraction kit	50 rxn	E10161
	200 rxn	E10162
Magnetic bead method viral nucleic acid fast extraction kit	50 rxn	E10171
	200 rxn	E10172
Magnetic bead method blood RNA extraction kit	50 rxn	E20021



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