



ILLUMINA GLOBAL HEALTH ACCESS INITIATIVE

Eligible Illumina sequencing products available through PFSCM

2024



PFSCM's Quality Management System has been certified to ISO 9001:2015 Quality Management System Standard by DQS Inc. Ref Registration # 10012936 QM15.

About Illumina Global Health Access Initiative

Reduced pricing and simplified budgeting and procurement for increased access to critical genomic surveillance products

PFSCM is proud to support Illumina with its newly launched Global Health Access Initiative.

The Global Health Access Initiative supports access to pathogen sequencing tools for public health in low- and middle-income countries (LMICs). The program provides reduced pricing structures for eligible sequencing products from Illumina to qualified global health funding entities and addresses critical international logistics and supply chain challenges.

PFSCM, in collaboration with Illumina, will help eligible entities like implementing partners, NGOs, not-for-profits, UN organizations, and Global Health funding mechanisms access eligible sequencing products.

Discounted pricing

The initiative provides discounted prices for a range of sequencing applications, including drug resistance profiling in tuberculosis, whole-genome sequencing of emerging and reemerging viruses to monitor virus evolution and support outbreak response, broad respiratory pathogen detection for influenza-like illness surveillance, wastewater and other environmental surveillance applications to track pathogens, and antimicrobial resistances at the population level.

Eligible sequencing products from Illumina:

PFSCM has created a list of all the eligible Illumina sequencing products available for the purpose of sequencing pathogens for public health management.

The products include consumables for various applications, including broad viral surveillance, respiratory pathogens characterization, drug-resistant tuberculosis detection, and a custom amplicon library preparation solution for addressing local microbial interests.

Please email PFSCM at pfscm-cam@nl.pfscm.org to learn more about accessing eligible Illumina sequencing products.

Global Fund Pooled Procurements Mechanism recipients should place orders through wambo.org.

Product Catalog

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
INSTRUMENT			
1	20021532	iSeq 100 System	The iSeq 100 System is a low cost benchtop next generation sequencer. The system is 1 cubic feet and includes a mounted 10 inch screen. This system also comes equipped with on board bioinformatics capabilities. The system is self-installable by the customer and does not include installation services. The system is covered by a 12 month warranty after customer installation.
2	15073750	MiniSeq System	Illumina MiniSeq Sequencing System is an integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, and analysis. System includes embedded touch screen monitor and on- instrument computer, MiniSeq Control Software, Local Run Manager analysis and management software, installation and training, and 12 months warranty (including parts and labor).
3	15034551	MiSeq System	The MiSeq System is an Integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary and secondary analysis. System includes embedded touchscreen monitor and on- instrument computer, dual surface imaging capability, MiSeq Software Suite, installation kits and standards, installation and training, and 12 months warranty (including parts and labor).
4	15046626	NextSeq® 550 Sequencing System	Illumina NextSeq 550 Sequencing System is an integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary analysis, and array scanning. System includes embedded touchscreen monitor and on-instrument computer, NextSeq Control Software, installation and training, and 12 months warranty (including parts and labor).
5	20038898	NextSeq™ 1000 Sequencing System	Illumina NextSeq 1000 Sequencing System is an integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary analysis, and secondary analysis. System includes embedded touchscreen monitor and on-instrument computer, control software, hardware accelerated Dragen Bio-IT secondary analysis pipelines, Installation and training, and 12 months warranty (including parts and labor).
6	20038897	NextSeq™ 2000 Sequencing System	Illumina NextSeq 2000 Sequencing System is an integrated system for automated generation of DNA clonal clusters by bridge amplification, sequencing, primary analysis, and secondary analysis. System includes embedded touchscreen monitor and on-instrument computer, control software, hardware accelerated Dragen Bio-IT secondary analysis pipelines, installation and training, and 12 months warranty (including parts and labor).
7	20012850	NovaSeq 6000 Sequencing System	The NovaSeq 6000 Sequencing System is an integrated ultrahigh throughput system performing onboard cluster generation and sequencing. This system includes installation and training and 12 months warranty (including parts and labor).
8	20084803	NovaSeq™ X Sequencing System	The NovaSeq X system is a single flow cell architecture, RUO, high- throughput sequencing system offering significant improvements in throughput and operational efficiency to support a wide range of high- throughput applications. This system includes installation and 12 month warranty (including parts and labor).
9	20084804	NovaSeq™ X Plus Sequencing System	The NovaSeq X Plus system is a dual flow cell architecture, RUO, high- throughput sequencing system offering significant improvements in throughput and operational efficiency to support a wide range of high- throughput applications. This system includes installation and 12 month warranty (including parts and labor).

Product Catalog

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
CONSUMABLES			
10	20031371	iSeq 100 i1 Reagent v2 (300-cycle)	Kitted reagents for up to 322 cycles of sequencing on the iSeq 100 system. Includes a single cartridge with paired end reagents and an iSeq 100 i1 flow cell.
11	15073755	MiniSeq High Output Kit (300 cycles)	Provides kitted reagents for 300 cycles of sequencing, plus dual- indexing support on a High Output run (up to 25M reads). Includes: High Output Reagent Cartridge (300 cycles), Flow Cell, and Hybridization Buffer.
12	15043762	MiSeq® Reagent Kit v3 (600 cycle)	Provides kitted reagents for up to 625 cycles of sequencing on the MiSeq System. Includes: Paired-End Reagent plate (600-cycles), MiSeq Flow Cell, and Wash Buffer.
13	20024908	NSQ 500/550 Hi Output KT v2.5 (300 CYS)	Provides kitted reagents for 300 cycles of sequencing, plus dual- indexing support on a High Output run (up to 400M reads). Includes: High Output Reagent Cartridge (300 cycles), High Output Flow Cell Cartridge, and Buffer Cartridge.
14	20046813	NextSeq™1000/2000 P2 Reagents(300Cycles)	Provides kitted reagents for 300 cycles of sequencing, plus dual- indexing support (up to 400M single reads). Includes: NextSeq 1000/2000 Reagent Cartridge (300 cycles), NextSeq 1000/2000 P2 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.
15	20043130	NovaSeq XP 2-Lane Kit v1.5	The NovaSeq Xp 2-Lane Kit is a consumable used along with the NovaSeq Xp Flow Cell Dock in an optional workflow that allows accessibility to individual lanes of the NovaSeq flow cell. The kit consists of ExAmp reagents (3 tubes) and a single manifold needed to load a 2-lane NovaSeq flow cell.
16	20028400	NVSEQ 6000 SP Rgt Kit v1.5 (300cyc)	This reagent kit provides the flow cell and reagent consumables to support a single flow cell 300 cycles NovaSeq run.
17	20049393	COVIDSeq Assay (96 samples) index 1	COVIDSeq Assay (96 samples) index 1
18	20051772	COVIDSeq Assay (96 samples) index 2	COVIDSeq Assay (96 samples) index 2
19	20051775	COVIDSeq Positive Control	COVIDSeq Positive Control
20	20043675	Illumina® COVIDSeq™ Test 3072 Spl	Next Generation Sequencing based test for detection of SARS-CoV-2
21	20043137	IDT-ILMN PCR Index Set 1-4 (384 IDX)	Set of 384 UDIs for use with Illumina® COVIDSeq™ Test
22	20065135	ILMN COVIDSeq v4 Primer Pools, 384 Spl	Optional ARTIC v4 primer pool to be used with COVIDSeq Test (RUO) and COVIDSeq Assay. Replaces v3 primers that are included in the kits.
23	20051773	COVIDSeq Assay (96 samples) index 3	Amplicon-based RUO assay for SARS-CoV-2 using ARTIC v3 primers. Includes IDT for ILMN Index Plate 3
24	20051774	COVIDSeq Assay (96 samples) index 4	Amplicon-based RUO assay for SARS-CoV-2 using ARTIC v3 primers. Includes IDT for ILMN Index Plate 4
25	20027214	IDT ILMN DNA/RNA UDI B Tag 96 Idx 96 Spl	IDT for Illumina- Nextera UD Indexes- Set B contains 96, 10 bp unique indexes sufficient for 96 samples. Library prep, enrichment, and enrichment probe panel reagents need to be ordered separately.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
26	20047050	RPIP Enrich Kit (RUO) (96 idx,96 spl)-A	The Respiratory Pathogen ID/AMR Enrichment Kit (RPIP) contains all library prep reagents, indexes and panel used to target 1218 antimicrobial resistance (AMR) markers, 187 bacteria, 53 fungi, and 42 viruses, including SARS-CoV-2. Coupled with the Illumina RNA prep with Enrichment kit and analysis with the IDbyDNA RPIP Explify app on BaseSpace Sequence Hub, the RPIP enrichment panel enables broad range detection of respiratory pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set A) and panel to prepare 96 samples at 3-plex and analysis with the IDbyDNA RPIP Explify app.
27	20046969	RPIP Enrich Kit (RUO) (96 idx,96 spl)-B	The Respiratory Pathogen ID/AMR Enrichment Kit (RPIP) contains all library prep reagents, indexes and panel used to target 1218 antimicrobial resistance (AMR) markers, 187 bacteria, 53 fungi, and 42 viruses, including SARS-CoV-2. Coupled with the Illumina RNA prep with Enrichment kit and analysis with the IDbyDNA RPIP Explify app on BaseSpace Sequence Hub, the RPIP enrichment panel enables broad range detection of respiratory pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set B) and panel to prepare 96 samples at 3-plex and analysis with the IDbyDNA RPIP Explify app.
28	20047051	RPIP Enrich Kit (RUO) (96 idx,96 spl)-C	The Respiratory Pathogen ID/AMR Enrichment Kit (RPIP) contains all library prep reagents, indexes and panel used to target 1218 antimicrobial resistance (AMR) markers, 187 bacteria, 53 fungi, and 42 viruses, including SARS-CoV-2. Coupled with the Illumina RNA prep with Enrichment kit and analysis with the IDbyDNA RPIP Explify app on BaseSpace Sequence Hub, the RPIP enrichment panel enables broad range detection of respiratory pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set C) and panel to prepare 96 samples at 3-plex and analysis with the IDbyDNA RPIP Explify app.
29	20047052	RPIP Enrich Kit (RUO) (96 idx,96 spl)-D	The Respiratory Pathogen ID/AMR Enrichment Kit (RPIP) contains all library prep reagents, indexes and panel used to target 1218 antimicrobial resistance (AMR) markers, 187 bacteria, 53 fungi, and 42 viruses, including SARS-CoV-2. Coupled with the Illumina RNA prep with Enrichment kit and analysis with the IDbyDNA RPIP Explify app on BaseSpace Sequence Hub, the RPIP enrichment panel enables broad range detection of respiratory pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set D) and panel to prepare 96 samples at 3-plex and analysis with the IDbyDNA RPIP Explify app.
30	20060060	ILMN DNA LP (M)Tag (24 Spl, IPB)	This component contains necessary reagents to support the preparation of 24 libraries for DNA WGS. SPRI beads included. Index adaptors must be purchased separately.
31	20060059	ILMN DNA LP (M)Tag (96 Spl, IPB)	This component contains necessary reagents to support the preparation of 96 libraries for DNA WGS. SPRI beads included. Index adaptors must be purchased separately.
32	20042666	IDT-ILMN DNA/RNA UDI C Tag 96 Idx 96 Spl	IDT for Illumina DNA/RNA UD Indexes Set C (20042666) is an updated version of the index adapter set IDT for Illumina Nextera DNA Unique Dual Indexes Set C (20027215), and contains 96, 10 bp unique indexes sufficient for 96 samples. Library prep, enrichment, and enrichment probe panel reagents need to be ordered separately.
33	20042667	IDT-ILMN DNA/RNA UDI D Tag 96 Idx 96 Spl	IDT for Illumina DNA/RNA UD Indexes Set D (20042667) is an updated version of the index adapter set IDT for Illumina Nextera DNA Unique Dual Indexes Set D (20027216), and contains 96, 10 bp unique indexes sufficient for 96 samples. Library prep, enrichment, and enrichment probe panel reagents need to be ordered separately.
34	15043761	MiSeq® Reagent Kit v3 (150 cycle)	Provides kitted reagents for up to 175 cycles of sequencing on the MiSeq System. Includes: Paired-End Reagent plate (150-cycles), MiSeq Flow Cell, and Wash Buffer.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
35	15033412	MiSeq® Reagent Kit v2 (300 cycle)	MiSeq v2 Reagent kit, 300 cycles per kit.
36	15073757	MiniSeq Mid Output Kit (300 cycles)	Provides kitted reagents for 300 cycles of sequencing, plus dual- indexing support on a Mid Output run (up to 8M reads). Includes: Mid Output Reagent Cartridge (300 cycles), Flow Cell, and Hybridization Buffer.
37	20031374	iSeq 100 i1 Reagent v2 (300-cyc) 4 pack	Kitted reagents for up to 322 cycles of sequencing on the iSeq 100 system. Includes 4 cartridges with paired end reagents and 4 iSeq 100 i1 flow cells.
38	20040760	iSeq 100 i1 Reagent v2 (300-cyc) 8 pack	Kitted reagents for up to 322 cycles of sequencing on the iSeq 100 system. Includes 8 cartridges with paired end reagents and 8 iSeq 100 i1 flow cells.
39	20044311	RESP. VIRUS OLIGO PANEL v2	The Respiratory Virus Oligo Panel provides highly sensitive detection and characterization of common respiratory viruses, including coronavirus strains. The oligo probes used for hybrid-capture-based target enrichment remain effective even within highly mutagenic regions, allowing targeting of rapidly evolving RNA viruses. Use the Respiratory Virus Oligo Panel with Illumina RNA Prep with Enrichment.
S.No	20040536	ILMN RNA LP w/Enrich (L)Tag (16 Spl)	An exceptionally fast tagmentation-based RNA enrichment workflow for targeted interrogation of an expansive number of the target genes with exceptional capture efficiency and coverage uniformity. Kit contains library prep reagents to prepare and enrich 16 samples, 1-plex. Indexes and oligo panel not included. Compatible with IDT for Illumina DNA/RNA UD indexes, Tagmentation.
41	20040537	ILMN RNA LP w/Enrich (L)Tag (96 Spl)	An exceptionally fast tagmentation-based RNA enrichment workflow for targeted interrogation of an expansive number of the target genes with exceptional capture efficiency and coverage uniformity. Kit contains library prep reagents to prepare and enrich 96 samples, 3-plex. Indexes and oligo panel not included. Compatible with IDT for Illumina DNA/RNA UD indexes, Tagmentation.
42	20060057	Illumina Purification Bead, 100mL	Illumina Purification Bead, 100mL
43	20060058	Illumina Purification Bead, 400mL	Illumina Purification Bead, 400mL
44	15033411	MiSeq® Reagent Kit v2 (500 cycle)	MiSeq v2 Reagent kit, 500 cycles per kit.
45	15033418	MiSeq® RGT Kit v2 (300 cycle)-20 PK	20 pack of MiSeq v2 Reagent kits, 300 cycles per kit.
46	15033417	MSQ® RGT KT v2 (500 CYC)-20 PK	20 pack of MiSeq v2 Reagent kits, 500 cycles per kit.
47	15036523	MiSeq® Reagent Micro Kit v2 (300 Cycles)	Provides kitted reagents for up to 325 cycles of sequencing on the MiSeq System using the MiSeq Micro Flow Cell (up to 4M clusters PF). Includes: Paired End Reagent plate (300-cycles), MiSeq Micro Flow Cell, and Wash Buffer.
48	15036522	MiSeq® Reagent Nano Kit v2 (300 Cycles)	Provides kitted reagents for up to 325 cycles of sequencing on the MiSeq System using the MiSeq Nano Flow Cell (up to 1M clusters PF). Includes: Paired End Reagent plate (300-cycles), MiSeq Nano Flow Cell, and Wash Buffer.
49	15036524	MiSeq® Reagent Nano Kit v2 (500 Cycles)	Provides kitted reagents for up to 525 cycles of sequencing on the MiSeq System using the MiSeq Nano Flow Cell (up to 1M clusters PF). Includes: Paired End Reagent plate (500-cycles), MiSeq Nano Flow Cell, and Wash Buffer.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
50	20044338	MiniSeq Rapid Reagent Kit (100 cyc)	Provides kitted reagents for 100 cycles of sequencing, plus single read support for a rapid sequencing run. Includes: MiniSeq Rapid Reagent Cartridge (100 cycles), Flow Cell, and Hybridization Buffer.
51	15073752	MiniSeq High Output Kit (75 cycles)	Provides kitted reagents for 75 cycles of sequencing, plus dual-indexing support on a High Output run (up to 25M reads). Includes: High Output Reagent Cartridge (75 cycles), Flow Cell, and Hybridization Buffer.
52	15073753	MiniSeq High Output Kit (150 cycles)	Provides kitted reagents for 150 cycles of sequencing, plus dual-indexing support on a High Output run (up to 25M reads). Includes: High Output Reagent Cartridge (150 cycles), Flow Cell, and Hybridization Buffer.
53	20024907	NSQ 500/550 Hi Output KT v2.5 (150 CYS)	Provides kitted reagents for 150 cycles of sequencing, plus dual-indexing support on a High Output run (up to 400M reads). Includes: High Output Reagent Cartridge (150 cycles), High Output Flow Cell Cartridge, and Buffer Cartridge.
54	20024906	NSQ 500/550 Hi Output KT v2.5 (75 CYS)	Provides kitted reagents for 75 cycles of sequencing, plus dual-indexing support on a High Output run (up to 400M reads). Includes: High Output Reagent Cartridge (75 cycles), High Output Flow Cell Cartridge, and Buffer Cartridge.
55	20024904	NSQ 500/550 Mid Output KT v2.5 (150 CYS)	Provides kitted reagents for 150 cycles of sequencing, plus dual-indexing support on a Mid Output run (up to 130M reads). Includes: Mid Output Reagent Cartridge (150 cycles), Mid Output Flow Cell Cartridge, and Buffer Cartridge.
56	20024905	NSQ 500/550 Mid Output KT v2.5 (300 CYS)	Provides kitted reagents for 300 cycles of sequencing, plus dual-indexing support on a Mid Output run (up to 130M reads). Includes: Mid Output Reagent Cartridge (300 cycles), Mid Output Flow Cell Cartridge, and Buffer Cartridge.
57	20018706	Flex Lysis reagent Kit	Flex Lysis Reagent Kit is an accessory product required to process blood samples with Nextera DNA Flex and Nextera Flex for Enrichment. Library prep, enrichment, enrichment probe panel, and index adapter reagents need to be ordered separately.
58	20050264	NextSeq™1000/2000 P1 Reagents(300Cycles)	Provides kitted reagents for 300 cycles of sequencing, plus dual-indexing support (up to 100M single reads). Includes: NextSeq 1000/2000 Reagent Cartridge (300 cycles), NextSeq 1000/2000 P1 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.
59	20046811	NextSeq™1000/2000 P2 Reagents(100Cycles)	Provides kitted reagents for 100 cycles of sequencing, plus dual-indexing support (up to 400M single reads). Includes: NextSeq 1000/2000 Reagent Cartridge (100 cycles), NextSeq 1000/2000 P2 Flow Cell, and RSB with Tween 20.
60	20046812	NextSeq™1000/2000 P2 Reagents(200Cycles)	Provides kitted reagents for 200 cycles of sequencing, plus dual-indexing support (up to 400M single reads). Includes: NextSeq 1000/2000 Reagent Cartridge (200 cycles), NextSeq 1000/2000 P2 Flow Cell, and RSB with Tween 20.
61	20040559	NextSeq™ 2000 P3 Reagents (100 Cycles)	Provides kitted reagents for 100 cycles of sequencing, plus dual-indexing support (up to 1.1B single reads). Includes: NextSeq 2000 Reagent Cartridge (100 cycles), NextSeq 2000 P3 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.
62	20040560	NextSeq™ 2000 P3 Reagents (200 Cycles)	Provides kitted reagents for 200 cycles of sequencing, plus dual-indexing support (up to 1.1B single reads). Includes: NextSeq 2000 Reagent Cartridge (200 cycles), NextSeq 2000 P3 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.
63	20040561	NextSeq™ 2000 P3 Reagents (300 Cycles)	Provides kitted reagents for 300 cycles of sequencing, plus dual-indexing support (up to 1.1B single reads). Includes: NextSeq 2000 Reagent Cartridge (300 cycles), NextSeq 2000 P3 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
64	15017872	PhiX CONTROL V3 KIT	Kitted DNA control for the Illumina sequencing platform. Compatible with Single and Paired End reads up to 150 base pairs. (10ul of 10nM template solution)
65	15051973	NextSeq™ PhiX Control Kit	DNA control for the NextSeq Illumina sequencing platform. Compatible with single and paired-end reads up to 150 bp. 10 µl of a 10 nM PhiX solution.
66	20027213	IDT ILMN DNA/RNA UDI A Tag 96 Idx 96 Spl	IDT for Illumina- Nextera UD Indexes- Set A contains 96, 10 bp unique indexes sufficient for 96 samples. Library prep, enrichment, and enrichment probe panel reagents need to be ordered separately.
67	20043130	NovaSeq XP 2-Lane Kit v1.5	The NovaSeq Xp 2-Lane Kit is a consumable used along with the NovaSeq Xp Flow Cell Dock in an optional workflow that allows accessibility to individual lanes of the NovaSeq flow cell. The kit consists of ExAmp reagents (3 tubes) and a single manifold needed to load a 2-lane NovaSeq flow cell.
68	20018708	Nextera DNA CD Idx (96 Idx, 96 SPI)	The kit provides 20 indexes (eight of i500s and twelve of i700 indexes) that together provide 96 dual indexing capability. Indexes are provided in a 96 well format. Indexes are compatible across all ILMN sequencers.
69	15066817	TG MiSeq FGx™ Reagent Kit	The MiSeq ForenSeq Sequencing Kit is a dedicated sequencing kit that contains all the sequencing consumables needed to sequence libraries generated by the ForenSeq DNA Signature Prep Kit.
70	15055269	ForenSeq™ Index Adapter Fixture	Reusable plate fixture that facilitates preparation of index adapters for ForenSeq library preparations.
71	15059973	MiSeq® Disposable Wash Tubes	(20) disposable wash tubes for MiSeq
72	20019103	AmpliSeq Library PLUS (384 Reactions)	Reagents for fast amplicon library preparation with AmpliSeq™ panels, optimized for Illumina sequencing systems.
73	20020496	AmpliSeq™ for Illumina® Custom RNA Panel	Targeted custom RNA panel. Library PLUS and index adapters sold separately.
74	20022654	Ampliseq™ cDNA Synthesis for Illumina®	AmpliSeq™ cDNA Synthesis for Illumina® is required to convert total RNA to cDNA when working with AmpliSeq for Illumina RNA Panels. Examples of these panels include AmpliSeq for Illumina Immune Response, Immune Repertoire Plus, TCR beta Panel, Myeloid, Transcriptome Human Gene Expression, Focus and Comprehensive Panel v3 as well as Custom or Community RNA Panels. The product is supplied in a 2- tube format with the reaction mix and enzyme blend in separate tubes. Number of reactions varies by panel. For AmpliSeq for Illumina Immune Response, Focus and Comprehensive Panel v3 and Custom panels, 100 reactions per kit, and for AmpliSeq for Illumina Transcriptome Human Gene Expression, Myeloid and Immune Repertoire Plus, TCR beta Panels, 200 reactions per kit.
75	20019105	AmpliSeq CD Indexes Set A (96Idx, 96Spl)	AmpliSeq™ CD Indexes Set A for Illumina® (96 Indexes, 96 Samples)
76	20019171	AmpliSeq Library Equalizer	AmpliSeq Library Equalizer is an easy to use bead-based solution for library normalization when preparing AmpliSeq for Illumina libraries for sequencing.
77	20020598	TruSeq Strnd Total RNA LP Gold (48 Spl)	This component contains the RiboZero beads to deplete rRNA and mtrRNA from Human, Mouse, Rat as well as the PCR master mix to transcript RNA into cDNA for 48 samples.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
78	20025524	ILMN DNA LP w/Enrich (S)Tag (96 Spl)	Illumina DNA Prep with Enrichment, (S) Tagmentation reagents sufficient for 96 samples (eight, 12-plex enrichment reactions). Enrichment probe panel and index adapters need to be ordered separately.
79	20040553	IDT ILMN RNA UDI A Lig 96 Idx 96 Spl	Set A Kit includes 96, 10bp Unique Dual Indexes (UDIs) and RNA Index Anchor plate for use with Illumina Stranded Total RNA Prep and Illumina Stranded mRNA Prep Kits.
80	20040529	ILMN Strnd Total RNA Lig w/RBZ+ (96 Spl)	Rapid stranded total RNA-Seq prep supports a broad range of sample types for studying the coding and non-coding transcriptome providing unparalleled study flexibility. Kit contains Ribo-Zero Plus depletion module and library prep reagents for 96 samples. Indexes sold separately, compatible only with IDT for Illumina RNA UD indexes, Ligation
81	20085594	NovaSeq™ X Series 10B Rgt Kit (300 Cy)	This reagent kit provides one NovaSeq X Series 10B flow cell (with 8- lanes) and reagent consumables to support a single flow cell 300 cycles run on the NovaSeq X and NovaSeq X Plus systems.
82	20020597	TruSeq Strnd Total RNA LP HMR (96 Spl)	This component contains the RiboZero beads to deplete rRNA from Human, Mouse, Rat as well as the PCR master mix to transcript RNA into cDNA for 96 samples.
83	20088154	Viral Surveillance Panel, RUO 96 rxns	Viral Surveillance Panel (VSP) is a hybrid capture panel that includes WGS tiled probes for 66 viruses of public health importance. This will be a RUO product for surveillance and strain tracking.
84	20087932	VSP w ILMN RNA Prep w Enrich A, 96 Rxns	Viral Surveillance Panel (VSP) combo with RNA Enrichment Library Prep and Indexes Set A
85	20087929	VSP w ILMN RNA Prep w Enrich B, 96 Rxns	Viral Surveillance Panel (VSP) combo with RNA Enrichment Library Prep and Indexes Set B
86	20088155	Pan-Coronavirus Panel, RUO 96 rxns	Pan-Coronavirus Hybrid Capture Panel designed for human and zoonotic coronavirus WGS sequencing
87	20020599	TruSeq Strnd Total RNA LP Gold (96 Spl)	This component contains the RiboZero beads to deplete rRNA and mtrRNA from Human, Mouse, Rat as well as the PCR master mix to transcript RNA into cDNA for 96 samples.
88	20022240	NextSeq Air Filter	NextSeq Air Filters ensure that internal components of the instrument remain free of dust and other environmental contaminants for optimal performance. We recommend replacing air filters every 90 days as part of standard NextSeq preventative maintenance.
89	20046115	NextSeq™ 1000/2000 Read & Index Primers	Reagents to utilize custom read and index primers with the NextSeq 1000/2000 cartridge. This kit is sufficient for 1 custom read primer and 1 custom index primer use.
90	15036044	HSQ® Install Accessories BxILMN Use Only	HiSeq® Install Accessories Box
91	20100469	Illumina Respiratory Virus Enrichment Kit Set A (96 indexes, 96 samples)	Complete hybridization-based enrichment kit including Illumina RNA Prep with Enrichment library preparation and hybridization reagents, Respiratory Virus Oligo Panel v2, and IDT® for Illumina® DNA/RNA UD Indexes Set A. Each kit provides enough reagents for 96 samples in 32 hybridization reactions with 3 libraries per hybridization reaction. Enables enrichment of 40 common human respiratory viruses including SARS-CoV-2 and Influenza and produces whole genome sequences for each targeted virus.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
92	20100470	Illumina Respiratory Virus Enrichment Kit Set B (96 indexes, 96 samples)	Complete hybridization-based enrichment kit including Illumina RNA Prep with Enrichment library preparation and hybridization reagents, Respiratory Virus Oligo Panel v2, and IDT® for Illumina® DNA/RNA UD Indexes Set B. Each kit provides enough reagents for 96 samples in 32 hybridization reactions with 3 libraries per hybridization reaction. Enables enrichment of 40 common human respiratory viruses including SARS-CoV-2 and Influenza and produces whole genome sequences for each targeted virus.
93	20100471	Illumina Respiratory Virus Enrichment Kit Set C (96 indexes, 96 samples)	Complete hybridization-based enrichment kit including Illumina RNA Prep with Enrichment library preparation and hybridization reagents, Respiratory Virus Oligo Panel v2, and IDT® for Illumina® DNA/RNA UD Indexes Set C. Each kit provides enough reagents for 96 samples in 32 hybridization reactions with 3 libraries per hybridization reaction. Enables enrichment of 40 common human respiratory viruses including SARS-CoV-2 and Influenza and produces whole genome sequences for each targeted virus.
94	20100472	Illumina Respiratory Virus Enrichment Kit Set D (96 indexes, 96 samples)	Complete hybridization-based enrichment kit including Illumina RNA Prep with Enrichment library preparation and hybridization reagents, Respiratory Virus Oligo Panel v2, and IDT® for Illumina® DNA/RNA UD Indexes Set D. Each kit provides enough reagents for 96 samples in 32 hybridization reactions with 3 libraries per hybridization reaction. Enables enrichment of 40 common human respiratory viruses including SARS-CoV-2 and Influenza and produces whole genome sequences for each targeted virus.
95	20075294	Send To AEM	Provides kitted reagents for 600 cycles of sequencing, plus dual- indexing support (up to 100M single reads). Includes: NextSeq 1000/2000 Reagent Cartridge (600 cycles), NextSeq 1000/2000 P1 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.
96	20090308	Urinary Path. ID/AMR Enrichment Kt SetA	The Urinary Pathogen ID/AMR Enrichment Kit (UPIP) contains all library prep reagents, indexes and panel used to target 3,500 antimicrobial resistance (AMR) markers, 121 bacteria, 14 fungi, and 35 viruses and 4 parasites. Coupled with the Illumina DNA prep with Enrichment kit and analysis with the UPIP Explify app on BaseSpace Sequence Hub, the UPIP enrichment panel enables broad range detection of urinary pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set A) and panel to prepare 96 samples at 3-plex and analysis with the UPIP Explify app.
97	20090309	Urinary Path. ID/AMR Enrichment Kt SetB	The Urinary Pathogen ID/AMR Enrichment Kit (UPIP) contains all library prep reagents, indexes and panel used to target 3,500 antimicrobial resistance (AMR) markers, 121 bacteria, 14 fungi, and 35 viruses and 4 parasites. Coupled with the Illumina DNA prep with Enrichment kit and analysis with the UPIP Explify app on BaseSpace Sequence Hub, the UPIP enrichment panel enables broad range detection of urinary pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set B) and panel to prepare 96 samples at 3-plex and analysis with the UPIP Explify app.
98	20090310	Urinary Path. ID/AMR Enrichment Kt SetC	The Urinary Pathogen ID/AMR Enrichment Kit (UPIP) contains all library prep reagents, indexes and panel used to target 3,500 antimicrobial resistance (AMR) markers, 121 bacteria, 14 fungi, and 35 viruses and 4 parasites. Coupled with the Illumina DNA prep with Enrichment kit and analysis with the UPIP Explify app on BaseSpace Sequence Hub, the UPIP enrichment panel enables broad range detection of urinary pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set C) and panel to prepare 96 samples at 3-plex and analysis with the UPIP Explify app.

Product Catalog

CONSUMABLES CONTINUED

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
99	20090311	Urinary Path. ID/AMR Enrichment Kit SetD	The Urinary Pathogen ID/AMR Enrichment Kit (UPIP) contains all library prep reagents, indexes and panel used to target 3,500 antimicrobial resistance (AMR) markers, 121 bacteria, 14 fungi, and 35 viruses and 4 parasites. Coupled with the Illumina DNA prep with Enrichment kit and analysis with the UPIP Explify app on BaseSpace Sequence Hub, the UPIP enrichment panel enables broad range detection of urinary pathogens and profiling of AMR to identify mixed co-infections. Kit contains library prep reagents, indexes (Set D) and panel to prepare 96 samples at 3-plex and analysis with the UPIP Explify app.
100	20040871	TruSeq RNA UD Index v2	Version 2 of TruSeq Unique Dual Indexes (UDIs), compatible with TruSeq Stranded mRNA and TruSeq Stranded Total RNA Library Prep Kits. The UDI kit is provided in a plate format, contains 96 UDIs, sufficient for 96 samples. Version 2 contains improvements for 8 of the 192 index oligos in plate 20022371, with no changes to the remaining 184.
101	20075295	NextSeq1000/2000 P2 300M RGTSKit(600cyc)	Provides kitted reagents for 600 cycles of sequencing, plus dual- indexing support (up to 300M single reads). Includes: NextSeq 1000/2000 Reagent Cartridge (600 cycles), NextSeq 1000/2000 P1 Flow Cell, and RSB with Tween 20. This reagent kit is based on the v3 reagents.
102	20104705	NovaSeq™ X Series 1.5B Reagent Kit (300 Cyc)	This reagent kit provides one NovaSeq X Series 1.5B flow cell (with 2- lanes) and reagent consumables to support a single flow cell 300 cycles run on the NovaSeq X and NovaSeq X Plus systems.
103	20097857	Illumina Microbial Amplicon Prep	48-sample amplicon kit containing cDNA conversion, library prep, and indexes. Primers are not included.
104	20099512	Illumina and Genoscreen Deeplex® Myc-TB Combo Kit with IDP Library Prep, 48 sample	Illumina and Genoscreen Deeplex Myc-TB Combo Kit is a multiplex PCR panel used with NGS for M. tuberculosis and associated drug resistance markers. It includes the PCR panel, Illumina DNA Prep (IDP) library prep, indexes, and software access.

Product Catalog

S. Number	Mfg. Product Catalog Number	Product Name	Product Specification
SURVEILLANCE BUNDLES			
105	20112354	Respiratory Pathogen ID/AMR panel (RPIP) Index Set A with MiniSeq core cons, and software analysis included, 96 samples	Respiratory Pathogen ID/AMR panel (RPIP) Index Set A with MiniSeq core cons, and software analysis included, 96 samples
106	20112355	Viral Surveillance panel (VSP) Index Set A with MiniSeq core cons, and software analysis included, 96 samples	Viral Surveillance panel (VSP) Index Set A with MiniSeq core cons, and software analysis included, 96 samples
107	20112356	Illumina Microbial Amplicon Prep (IMAP) with MiniSeq core cons, and software analysis included, 48 samples	Illumina Microbial Amplicon Prep (IMAP) with MiniSeq core cons, and software analysis included, 48 samples
108	20112357	Illumina Genoscreen Deeplex Myc-TB with MiniSeq core cons, and software analysis included, 48 samples	Illumina Genoscreen Deeplex Myc-TB with MiniSeq core cons, and software analysis included, 48 samples
109	20112358	Respiratory Pathogen ID/AMR panel (RPIP) Index Set A with MiSeq core cons, and software analysis included, 96 samples	Respiratory Pathogen ID/AMR panel (RPIP) Index Set A with MiSeq core cons, and software analysis included, 96 samples
110	20112359	Viral Surveillance panel (VSP) Index Set A with MiSeq core cons, and software analysis included, 96 samples	Viral Surveillance panel (VSP) Index Set A with MiSeq core cons, and software analysis included, 96 samples
111	20112360	Illumina Microbial Amplicon Prep (IMAP) with MiSeq core cons, and software analysis included, 48 samples	Illumina Microbial Amplicon Prep (IMAP) with MiSeq core cons, and software analysis included, 48 samples
112	20112361	Illumina Genoscreen Deeplex Myc-TB with MiSeq core cons, and software analysis included, 48 samples	Illumina Genoscreen Deeplex Myc-TB with MiSeq core cons, and software analysis included, 48 samples
113	20112362	Respiratory Pathogen ID/AMR panel (RPIP) Index Set A with NextSeq1000/2000 core cons, and software analysis included, 96 samples	Respiratory Pathogen ID/AMR panel (RPIP) Index Set A with NextSeq1000/2000 core cons, and software analysis included, 96 samples
114	20112363	Viral Surveillance panel (VSP) Index Set A with NextSeq1000/2000 core cons, and software analysis included, 96 samples	Viral Surveillance panel (VSP) Index Set A with NextSeq1000/2000 core cons, and software analysis included, 96 samples
115	20112364	Illumina Microbial Amplicon Prep (IMAP) with NextSeq1000/2000 core cons, and software analysis included, 48 samples	Illumina Microbial Amplicon Prep (IMAP) with NextSeq1000/2000 core cons, and software analysis included, 48 samples

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2024

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PFSCM's Quality Management System has been certified to ISO 9001:2015 Quality Management System Standard by DQS Inc. Ref Registration # 10012936 QM15.