

## Hieff NGS™ Complete Adapter Kit for Illumina®

### Product Information

Product name	Cat#	Specification
Hieff NGS™ Complete Adapter Kit for Illumina®, Set 1	13519ES04	48×4 T
	13519ES16	48×16 T
Hieff NGS™ Complete Adapter Kit for Illumina®, Set 2	13520ES04	48×4 T
	13520ES16	48×16 T

### Product Description

Hieff NGS™ Complete Adapter Kits for Illumina® are two special kits for DNA library preparation for Illumina®, each set contains 48 kinds of single Index Complete Adapter. All the reagents provided in the kit are subjected strict quality control and functional verification to ensure the maximum stability and repeatability of the library preparation.

### Product Component

Cat #	Component	Volume
13519ES04	DNA Adapter 01-48	12 µL each
13519ES16	DNA Adapter 01-48	48 µL each
13520ES04	DNA Adapter 49-96	12 µL each
13520ES16	DNA Adapter 49-96	48 µL each

### Shipping and Storage

Ice bag transportation. All the components can be stored at -20°C for one year.

### Notes

1. The concentration of DNA adapter in these kits is 15 µM. The amount of adapter when construct a single library should be adjusted according to the Library preparation Kit protocol.
2. Do not heat the adapters. They should be dissolved slowly at room temperature. It is best to set the laboratory temperature at 20-25°C. Avoid repeated freezing and thawing of the adapters. It is recommended to store them in separate packs. The adapters can be stored at 4°C for a short time.
3. For your safety and health, please wear experimental clothes and disposable gloves.
4. For research use only.

## Sequence

The structure of libraries prepared with HiSeq™ Complete Adapter Kit for Illumina® are as follows:



### DNA Adapter for Illumina:

#### Universal Adapter:

5'-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT-3'

#### Barcode Adapter:

5'-GATCGGAAGAGCACACGTCTGAACTCCAGTCACXXXXXXXX<sub>1</sub>ATCTCGTATGCCGTCTTCTGCTTG-3'

DNA Adapter	Sequence	DNA Adapter	Sequence
DNA Adapter 01	AACGTGAT	DNA Adapter 49	GATAGACA
DNA Adapter 02	AAACATCG	DNA Adapter 50	GCCACATA
DNA Adapter 03	ATGCCTAA	DNA Adapter 51	GCGAGTAA
DNA Adapter 04	AGTGGTCA	DNA Adapter 52	GCTAACGA
DNA Adapter 05	ACCACTGT	DNA Adapter 53	GCTCGGTA
DNA Adapter 06	ACATTGGC	DNA Adapter 54	GGAGAACA
DNA Adapter 07	CAGATCTG	DNA Adapter 55	GGTGCGAA
DNA Adapter 08	CATCAAGT	DNA Adapter 56	GTACGCAA
DNA Adapter 09	CGCTGATC	DNA Adapter 57	GTCGTAGA
DNA Adapter 10	ACAAGCTA	DNA Adapter 58	GTCTGTCA
DNA Adapter 11	CTGTAGCC	DNA Adapter 59	GTGTTCTA
DNA Adapter 12	AGTACAAG	DNA Adapter 60	TAGGATGA
DNA Adapter 13	AACAACCA	DNA Adapter 61	TATCAGCA
DNA Adapter 14	AACCGAGA	DNA Adapter 62	TCCGTCTA
DNA Adapter 15	AACGCTTA	DNA Adapter 63	TCTTCACA
DNA Adapter 16	AAGACGGA	DNA Adapter 64	TGAAGAGA
DNA Adapter 17	AAGGTACA	DNA Adapter 65	TGGAACAA
DNA Adapter 18	ACACAGAA	DNA Adapter 66	TGGCTTCA
DNA Adapter 19	ACAGCAGA	DNA Adapter 67	TGGTGGTA
DNA Adapter 20	ACCTCCAA	DNA Adapter 68	TTCACGCA
DNA Adapter 21	ACGCTCGA	DNA Adapter 69	AACTCACC
DNA Adapter 22	ACGTATCA	DNA Adapter 70	AAGAGATC
DNA Adapter 23	ACTATGCA	DNA Adapter 71	AAGGACAC
DNA Adapter 24	AGAGTCAA	DNA Adapter 72	AATCCGTC
DNA Adapter 25	AGATCGCA	DNA Adapter 73	AATGTTGC
DNA Adapter 26	AGCAGGAA	DNA Adapter 74	ACACGACC
DNA Adapter 27	AGTCACTA	DNA Adapter 75	ACAGATTC
DNA Adapter 28	ATCCTGTA	DNA Adapter 76	AGATGTAC
DNA Adapter 29	ATTGAGGA	DNA Adapter 77	AGCACCTC
DNA Adapter 30	CAACCACA	DNA Adapter 78	AGCCATGC
DNA Adapter 31	GACTAGTA	DNA Adapter 79	AGGCTAAC
DNA Adapter 32	CAATGGAA	DNA Adapter 80	ATAGCGAC
DNA Adapter 33	CACTTCGA	DNA Adapter 81	ATCATTCC
DNA Adapter 34	CAGCGTTA	DNA Adapter 82	ATTGGCTC

DNA Adapter 35	CATACCAA	DNA Adapter 83	CAAGGAGC
DNA Adapter 36	CCAGTTCA	DNA Adapter 843	CACCTTAC
DNA Adapter 37	CCGAAGTA	DNA Adapter 85	CCATCCTC
DNA Adapter 38	CCGTGAGA	DNA Adapter 86	CCGACAAC
DNA Adapter 39	CCTCCTGA	DNA Adapter 87	CCTAATCC
DNA Adapter 40	CGAACTTA	DNA Adapter 88	CCTCTATC
DNA Adapter 41	CGACTGGA	DNA Adapter 89	CGACACAC
DNA Adapter 42	CGCATACA	DNA Adapter 90	CGGATTGC
DNA Adapter 43	CTCAATGA	DNA Adapter 91	CTAAGGTC
DNA Adapter 44	CTGAGCCA	DNA Adapter 92	GAACAGGC
DNA Adapter 45	CTGGCATA	DNA Adapter 93	GACAGTGC
DNA Adapter 46	GAATCTGA	DNA Adapter 94	GAGTTAGC
DNA Adapter 47	CAAGACTA	DNA Adapter 95	GATGAATC
DNA Adapter 48	GAGCTGAA	DNA Adapter 96	GCCAAGAC

