

VAHTS DNA Adapters Set 3-Set 6 for Illumina®

Catalog # N805 / N806 / N807 / N808



Version 5.1

Vazyme biotech co., ltd.

Introduction

VAHTS DNA Adapters Set 3-Set 6 for Illumina® are four special kits designed for DNA library preparation for Illumina platforms. The Set 3 (Cat.No. #N805) contains 24 kinds of indexed adapters (DNA Adapter from 96-01 to 96-24). The Set 4 (Cat.No. #N806) contains 24 kinds of indexed adapters (DNA Adapter from 96-25 to 96-48); The Set 5 (Cat.No. #N807) contains 24 kinds of indexed adapters (DNA Adapter from 96-49 to 96-72); The Set 6 (Cat.No. #N808) contains 24 kinds of indexed adapters (DNA Adapter from 96-73 to 96-96).

Contents of Kit

Components	N805	N806	N807	N808
From DNA Adapter 96-01 to DNA Adapter 96-24 (24 kinds)	20 µl each	----	----	----
From DNA Adapter 96-25 to DNA Adapter 96-48 (24 kinds)	----	20 µl each	----	----
From DNA Adapter 96-49 to DNA Adapter 96-72 (24 kinds)	----	----	20 µl each	----
From DNA Adapter 96-73 to DNA Adapter 96-96 (24 kinds)	----	----	----	20 µl each

* 8 rxn for each DNA Adapter (2.5 µl / library), 192 rxn for each set.

Storage

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

Application

Special for DNA library preparation for Illumina platforms with Vazyme VAHTS Universal DNA Library Prep Kit (Vazyme, Cat.No. #ND604).

Quality Control

16-Hour Incubation: A 50 µl reaction system containing 5 µl of DNA Adapter and 1 µg of Hind III-λDNA incubated at 37°C for 16 hours resulted in no band degraded detected by agarose gel electrophoresis. A 50 µl reaction system containing 5 µl of DNA Adapter and 1 µg of T3 DNA incubated at 37°C for 16 hours resulted in no band degraded detected by agarose gel electrophoresis.

Endonuclease Activity: A 50 µl reaction system containing 5 µl of DNA Adapter and 1 µg of φX174RF I DNA incubated at 37°C for 4 hours resulted in < 10% conversion to RF II analyzed by agarose gel electrophoresis.

Sequence

The structure of libraries prepared with VAHTS DNA Adapter Set 3-Set 6 for Illumina® are as follows:

5' - **Universal Adapter** - Insert DNA Sequence - **DNA Adapter 96-X** - 3'

Both the Universal Adapter and the Index are contained in each DNA Adapter. The sequences of DNA Adapters are as follows:

Name	Sequence
Universal Adapter	5'-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT-3'
DNA Adapter 96-X	5'-GATCGGAAGAGCACACGTCTGAACTCCAGTCACIIIIIIIIATCTCGTATGCCGTCTTCTGCTTG-3'

IIIIIIII indicates the index sequences (8 bp). Please input the related Index sequences of DNA Adapters to the Sample Sheet before sequencing as follows:



Vazyme Biotech Co., Ltd
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Order: global@vazyme.com

Support: support@vazyme.com

For research use only, not for use in diagnostic procedures.

N805	Index	N806	Index	N807	Index	N808	Index
DNA Adapter 96-01	AACGTGAT	DNA Adapter 96-25	AGATCGCA	DNA Adapter 96-49	GATAGACA	DNA Adapter 96-73	AATGTTGC
DNA Adapter 96-02	AAACATCG	DNA Adapter 96-26	AGCAGGAA	DNA Adapter 96-50	GCCACATA	DNA Adapter 96-74	ACACGACC
DNA Adapter 96-03	ATGCCTAA	DNA Adapter 96-27	AGTCACCTA	DNA Adapter 96-51	GCGAGTAA	DNA Adapter 96-75	ACAGATTC
DNA Adapter 96-04	AGTGGTCA	DNA Adapter 96-28	ATCCTGTA	DNA Adapter 96-52	GCTAACGA	DNA Adapter 96-76	AGATGTAC
DNA Adapter 96-05	ACCACTGT	DNA Adapter 96-29	ATTGAGGA	DNA Adapter 96-53	GCTCGGTA	DNA Adapter 96-77	AGCACCTC
DNA Adapter 96-06	ACATTGGC	DNA Adapter 96-30	CAACCACA	DNA Adapter 96-54	GGAGAACA	DNA Adapter 96-78	AGCCATGC
DNA Adapter 96-07	CAGATCTG	DNA Adapter 96-31	GACTAGTA	DNA Adapter 96-55	GGTGCGAA	DNA Adapter 96-79	AGGCTAAC
DNA Adapter 96-08	CATCAAGT	DNA Adapter 96-32	CAATGGAA	DNA Adapter 96-56	GTACGCAA	DNA Adapter 96-80	ATAGCGAC
DNA Adapter 96-09	CGCTGATC	DNA Adapter 96-33	CACTTCGA	DNA Adapter 96-57	GTCGTAGA	DNA Adapter 96-81	ATCATTCC
DNA Adapter 96-10	ACAAGCTA	DNA Adapter 96-34	CAGCGTTA	DNA Adapter 96-58	GTCTGTCA	DNA Adapter 96-82	ATTGGCTC
DNA Adapter 96-11	CTGTAGCC	DNA Adapter 96-35	CATACCAA	DNA Adapter 96-59	GTGTTCTA	DNA Adapter 96-83	CAAGGAGC
DNA Adapter 96-12	AGTACAAG	DNA Adapter 96-36	CCAGTTCA	DNA Adapter 96-60	TAGGATGA	DNA Adapter 96-84	CACCTTAC
DNA Adapter 96-13	AACAACCA	DNA Adapter 96-37	CCGAAGTA	DNA Adapter 96-61	TATCAGCA	DNA Adapter 96-85	CCATCCTC
DNA Adapter 96-14	AACCGAGA	DNA Adapter 96-38	CCGTGAGA	DNA Adapter 96-62	TCCGTCTA	DNA Adapter 96-86	CCGACAAC
DNA Adapter 96-15	AACGCTTA	DNA Adapter 96-39	CCTCCTGA	DNA Adapter 96-63	TCTTCACA	DNA Adapter 96-87	CCTAATCC
DNA Adapter 96-16	AAGACGGA	DNA Adapter 96-40	CGAACTTA	DNA Adapter 96-64	TGAAGAGA	DNA Adapter 96-88	CCTCTATC
DNA Adapter 96-17	AAGGTACA	DNA Adapter 96-41	CGACTGGA	DNA Adapter 96-65	TGGAACAA	DNA Adapter 96-89	CGACACAC
DNA Adapter 96-18	ACACAGAA	DNA Adapter 96-42	CGCATACA	DNA Adapter 96-66	TGGCTTCA	DNA Adapter 96-90	CGGATTGC
DNA Adapter 96-19	ACAGCAGA	DNA Adapter 96-43	CTCAATGA	DNA Adapter 96-67	TGGTGGTA	DNA Adapter 96-91	CTAAGGTC
DNA Adapter 96-20	ACCTCCAA	DNA Adapter 96-44	CTGAGCCA	DNA Adapter 96-68	TTCACGCA	DNA Adapter 96-92	GAACAGGC
DNA Adapter 96-21	ACGCTCGA	DNA Adapter 96-45	CTGGCATA	DNA Adapter 96-69	AACTCACC	DNA Adapter 96-93	GACAGTGC
DNA Adapter 96-22	ACGTATCA	DNA Adapter 96-46	GAATCTGA	DNA Adapter 96-70	AAGAGATC	DNA Adapter 96-94	GAGTTAGC
DNA Adapter 96-23	ACTATGCA	DNA Adapter 96-47	CAAGACTA	DNA Adapter 96-71	AAGGACAC	DNA Adapter 96-95	GATGAATC
DNA Adapter 96-24	AGAGTCAA	DNA Adapter 96-48	GAGCTGAA	DNA Adapter 96-72	AATCCGTC	DNA Adapter 96-96	GCCAAGAC

