

# VAHTS RNA Adapters Set 3-Set 6 for Illumina®

Catalog # N809 / N810 / N811 / N812



Version 5.1

Vazyme biotech co., ltd.

## Introduction

VAHTS RNA Adapters Set 3-Set 6 for Illumina® are specially designed for RNA library preparation for Illumina platforms. The Set 3 (Cat.No. #N809) contains 24 kinds of indexed adapters (RNA Adapter from 96-01 to 96-24). The Set 4 (Cat.No. #N810) contains 24 kinds of indexed adapters (RNA Adapter from 96-25 to 96-48); The Set 5 (Cat.No. #N811) contains 24 kinds of indexed adapters (RNA Adapter from 96-49 to 96-72); The Set 6 (Cat.No. #N812) contains 24 kinds of indexed adapters (RNA Adapter from 96-73 to 96-96).

## Contents of Kit

Component	N809	N810	N811	N812
From RNA Adapter 96-01 to RNA Adapter 96-24 (24 kinds)	20 µl each	----	----	----
From RNA Adapter 96-25 to RNA Adapter 96-48 (24 kinds)	----	20 µl each	----	----
From RNA Adapter 96-49 to RNA Adapter 96-72 (24 kinds)	----	----	20 µl each	----
From RNA Adapter 96-73 to RNA Adapter 96-96 (24 kinds)	----	----	----	20 µl each

\* 8 rxn for each RNA 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 RNA library preparation for Illumina platforms with VAHTS mRNA-seq v2 Library Prep Kit for Illumina® (Vazyme, Cat.No. #NR601), VAHTS Stranded mRNA-seq Library Prep Kit for Illumina® (Vazyme, Cat.No. #NR602), and VAHTS Total RNA-seq (H/M/R) Library Prep Kit for Illumina® (Vazyme, Cat.No. #NR603).

## Quality Control

**16-Hour Incubation:** A 50 µl reaction system containing 5 µl of RNA 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 RNA 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 RNA 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 RNA Adapter Set 3-Set 6 for Illumina® are as follows:

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

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

Name	Sequence
Universal Adapter	5'-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT-3'
RNA Adapter 96-X	5'-GATCGGAAGAGCACAGCTCTGAACTCCAGTCACIIIIIIATCTCGTATGCCGTCTTCTGCTTG-3'

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



Vazyme Biotech Co., Ltd  
www.vazyme.com

Order: global@vazyme.com

Support: support@vazyme.com

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

N809	Index	N810	Index	N811	Index	N812	Index
RNA Adapter 96-01	AACGTGAT	RNA Adapter 96-25	AGATCGCA	RNA Adapter 96-49	GATAGACA	RNA Adapter 96-73	AATGTTGC
RNA Adapter 96-02	AAACATCG	RNA Adapter 96-26	AGCAGGAA	RNA Adapter 96-50	GCCACATA	RNA Adapter 96-74	ACACGACC
RNA Adapter 96-03	ATGCCTAA	RNA Adapter 96-27	AGTCACTA	RNA Adapter 96-51	GCGAGTAA	RNA Adapter 96-75	ACAGATTC
RNA Adapter 96-04	AGTGGTCA	RNA Adapter 96-28	ATCCTGTA	RNA Adapter 96-52	GCTAACGA	RNA Adapter 96-76	AGATGTAC
RNA Adapter 96-05	ACCACTGT	RNA Adapter 96-29	ATTGAGGA	RNA Adapter 96-53	GCTCGGTA	RNA Adapter 96-77	AGCACCTC
RNA Adapter 96-06	ACATTGGC	RNA Adapter 96-30	CAACCACA	RNA Adapter 96-54	GGAGAACA	RNA Adapter 96-78	AGCCATGC
RNA Adapter 96-07	CAGATCTG	RNA Adapter 96-31	GACTAGTA	RNA Adapter 96-55	GGTGCGAA	RNA Adapter 96-79	AGGCTAAC
RNA Adapter 96-08	CATCAAGT	RNA Adapter 96-32	CAATGGAA	RNA Adapter 96-56	GTACGCAA	RNA Adapter 96-80	ATAGCGAC
RNA Adapter 96-09	CGCTGATC	RNA Adapter 96-33	CACTTCGA	RNA Adapter 96-57	GTCGTAGA	RNA Adapter 96-81	ATCATTCC
RNA Adapter 96-10	ACAAGCTA	RNA Adapter 96-34	CAGCGTTA	RNA Adapter 96-58	GTCTGTCA	RNA Adapter 96-82	ATTGGCTC
RNA Adapter 96-11	CTGTAGCC	RNA Adapter 96-35	CATACCAA	RNA Adapter 96-59	GTGTTCTA	RNA Adapter 96-83	CAAGGAGC
RNA Adapter 96-12	AGTACAAG	RNA Adapter 96-36	CCAGTTCA	RNA Adapter 96-60	TAGGATGA	RNA Adapter 96-84	CACCTTAC
RNA Adapter 96-13	AACAACCA	RNA Adapter 96-37	CCGAAGTA	RNA Adapter 96-61	TATCAGCA	RNA Adapter 96-85	CCATCCTC
RNA Adapter 96-14	AACCGAGA	RNA Adapter 96-38	CCGTGAGA	RNA Adapter 96-62	TCCGTCTA	RNA Adapter 96-86	CCGACAAC
RNA Adapter 96-15	AACGCTTA	RNA Adapter 96-39	CCTCCTGA	RNA Adapter 96-63	TCTTCACA	RNA Adapter 96-87	CCTAATCC
RNA Adapter 96-16	AAGACGGA	RNA Adapter 96-40	CGAACTTA	RNA Adapter 96-64	TGAAGAGA	RNA Adapter 96-88	CCTCTATC
RNA Adapter 96-17	AAGGTACA	RNA Adapter 96-41	CGACTGGA	RNA Adapter 96-65	TGGAACAA	RNA Adapter 96-89	CGACACAC
RNA Adapter 96-18	ACACAGAA	RNA Adapter 96-42	CGCATACA	RNA Adapter 96-66	TGGCTTCA	RNA Adapter 96-90	CGGATTGC
RNA Adapter 96-19	ACAGCAGA	RNA Adapter 96-43	CTCAATGA	RNA Adapter 96-67	TGGTGGTA	RNA Adapter 96-91	CTAAGGTC
RNA Adapter 96-20	ACCTCCAA	RNA Adapter 96-44	CTGAGCCA	RNA Adapter 96-68	TTCACGCA	RNA Adapter 96-92	GAACAGGC
RNA Adapter 96-21	ACGCTCGA	RNA Adapter 96-45	CTGGCATA	RNA Adapter 96-69	AACTCACC	RNA Adapter 96-93	GACAGTGC
RNA Adapter 96-22	ACGTATCA	RNA Adapter 96-46	GAATCTGA	RNA Adapter 96-70	AAGAGATC	RNA Adapter 96-94	GAGTTAGC
RNA Adapter 96-23	ACTATGCA	RNA Adapter 96-47	CAAGACTA	RNA Adapter 96-71	AAGGACAC	RNA Adapter 96-95	GATGAATC
RNA Adapter 96-24	AGAGTCAA	RNA Adapter 96-48	GAGCTGAA	RNA Adapter 96-72	AATCCGTC	RNA Adapter 96-96	GCCAAGAC

