

# VAHTS Multiplex Oligos set 4 for Illumina®

Catalog # N321



Version 8.1

Vazyme Biotech Co., Ltd.

## Introduction

VAHTS Multiplex Oligos set 4 for Illumina® is specially designed for DNA library preparation for Illumina high-throughput sequencing platform. The kit contains VAHTS Adapter-S for Illumina, 8 VAHTS i5 PCR Primers and 12 VAHTS i7 PCR Primers. With VAHTSTM Universal DNA Library Prep Kit for Illumina® V2 (Vazyme #ND606), it is used for generating up to 96 different combinations of double-ended Indexed libraries. Used with VAHTSTM Multiplex Oligos set 5 for Illumina®, it can generate up to 384 different combinations of double-ended Indexed libraries.

## Components

Application	Components	N321 (192 rxn)	
Universal adaptor	VAHTS Adapter-S for Illumina	4 × 240 µl	■
VAHTS i5 PCR Primers (DM501-DM508)	DM501	90 µl	■
	DM502	90 µl	■
	DM503	90 µl	■
	DM504	90 µl	■
	DM505	90 µl	■
	DM506	90 µl	■
	DM507	90 µl	■
	DM508	90 µl	■
VAHTS i7 PCR Primers (DM701-DM712)	DM701	60 µl	■
	DM702	60 µl	■
	DM703	60 µl	■
	DM704	60 µl	■
	DM705	60 µl	■
	DM706	60 µl	■
	DM707	60 µl	■
	DM708	60 µl	■
	DM709	60 µl	■
	DM710	60 µl	■
	DM711	60 µl	■
	DM712	60 µl	■

▲ The amount of VAHTS Adapter-S for Illumina used in a single library depends on the starting template input. VAHTS i5 PCR Primers and VAHTS i7 PCR Primers are used at 2.5 µl.

## Storage

All components are stored at -20 °C. **Do not store the product higher than room temperature.**

## Application

Dedicated adapter primer kit for VAHTSTM Universal DNA Library Prep Kit for Illumina® V2 (Vazyme #ND606), suitable for the generation of double-ended Indexed libraries for Illumina high-throughput sequencing platform.



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

## Sequence Information

VAHTS Adapter-S for Illumina

5'-ACACTCTTTCCCTACACGACGCTCTCCGATC-s-T-3'

3'-CTGACCTCAAGTCTGCACACGAGAAGGCTAG-p-5'

(-s- indicates thio, and -p indicates phosphorylation)

VAHTS i5 PCR Primers

5'-AATGATACGGCGACCACCGAGATCTACAC[i5]

VAHTS i7 PCR Primers

5'-CAAGCAGAAGACGGCATACGAGAT[i7]GTGACTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'

(-s- indicates thio)

[i5] represents an 8 nt i5 Index sequence, and [i7] represents an 8 nt i7 Index sequence.

**The index name corresponding to each primer, the Index sequence included in the primer, and the Index sequence information input in the Sample Sheet at the time of sequencing are as follows:**

VAHTS i5 PCR Primers	i5 Index Name	Index sequence included in primer	Sample Sheet Input/Sequencing Index Sequence	
			NovaSeq, MiSeq, HiSeq 2000/ 2500	MiniSeq, NextSeq, HiSeq 3000/ 4000
DM501	D501	TATAGCCT	TATAGCCT	AGGCTATA
DM502	D502	ATAGAGGC	ATAGAGGC	GCCTCTAT
DM503	D503	CCTATCCT	CCTATCCT	AGGATAGG
DM504	D504	GGCTCTGA	GGCTCTGA	TCAGAGCC
DM505	D505	AGGCGAAG	AGGCGAAG	CTTCGCCT
DM506	D506	TAATCTTA	TAATCTTA	TAAGATTA
DM507	D507	CAGGACGT	CAGGACGT	ACGTCCTG
DM508	D508	GTA CTGAC	GTA CTGAC	GTCAGTAC

VAHTS i7 PCR Primers	i7 Index Name	Index sequence included in primer	Sample Sheet Input/Sequencing Index Sequence	
			NovaSeq, MiSeq, HiSeq 2000/ 2500	MiniSeq, NextSeq, HiSeq 3000/ 4000
DM701	D701	CGAGTAAT	ATTACTCG	
DM702	D702	TCTCCGGA	TCCGGAGA	
DM703	D703	AATGAGCG	CGCTCATT	
DM704	D704	GGAATCTC	GAGATTCC	
DM705	D705	TTCTGAAT	ATTCAGAA	
DM706	D706	ACGAATTC	GAATTCGT	
DM707	D707	AGCTTCAG	CTGAAGCT	
DM708	D708	GCGCATT	TAATGCGC	
DM709	D709	CATAGCCG	CGGCTATG	
DM710	D710	TTCGCGGA	TCCGCGAA	
DM711	D711	GCGCGAGA	TCTCGCGC	
DM712	D712	CTATCGCT	AGCGATAG	



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