

# VAHTS PCR-Free DNA Adapters Set 4 for MGI



NM10904

Version 22.1

## Product Description

VAHTS PCR-Free DNA Adapters for MGI is a specialized kit for MGI high-throughput sequencing platform. It is suitable for preparing multi-sample PCR-free DNA libraries for MGI high-throughput sequencing platform. It contains 96 kinds of Adapters with different indexes. All the Adapters provided in the kit have undergone rigorous quality control and functional testing to ensure the optimal stability and repeatability of library preparation.

## Components

Components	NM10904
DNA Adapter	20 µl each

▲ DNA Adapter component information is shown in the following table.

	NM10901			NM10902			NM10903			NM10904		
	1	2	3	4	5	6	7	8	9	10	11	12
A	01	41	57	65	73	81	89	97	121	25	33	49
B	02	42	58	66	74	82	90	98	122	26	34	50
C	03	43	59	67	75	83	91	99	123	117	35	51
D	04	44	60	68	76	84	92	100	124	28	36	52
E	13	45	61	69	77	85	93	101	125	29	37	53
F	14	46	62	70	78	86	94	102	126	30	38	116
G	15	47	63	71	79	87	95	103	127	114	39	55
H	16	48	64	72	80	88	96	104	128	32	115	56

▲ NM10901 contains 24 kinds of Adapters with different indexes in Column 1 to 3.

NM10902 contains 24 kinds of Adapters with different indexes in Column 4 to 6.

NM10903 contains 24 kinds of Adapters with different indexes in Column 7 to 9.

NM10904 contains 24 kinds of Adapters with different indexes in Column 10 to 12.

The four kits (NM10901/NM10902/NM10903/NM10904) contain 96 kinds of Adapters with different indexes in total. It is recommended to use Adapters in boxes of the same color.

## Storage

Store at -30 ~ -15°C and transport at ≤0°C.

## Applications

Compatible for VAHTS Universal DNA Library Kit for MGI (Vazyme #NDM series).



## Notes

For research use only. Not for use in diagnostic procedures.

1. The usage amount of Adapter need be adjusted according to the amount of Input DNA.
2. Please do not premix Adapter, Ligation Buffer and Ligase, or it may result in Adapter self-ligation.
3. Please do not keep this product at room temperature, or the ligation efficiency may decrease.

## Library Structure and Sequences

The structure of the DNA fragments in libraries prepared using VAHTS PCR-Free DNA Adapters for MGI is as follows:

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

Each DNA Adapter provided in the kit comes with a universal adapter and an index sequence used to distinguish different samples in high-throughput sequencing.

The index sequences corresponding to each DNA Adapter are shown in the table below:

Adapter S/N	Index Sequence	Adapter S/N	Index Sequence	Adapter S/N	Index Sequence	Adapter S/N	Index Sequence
01	TAGGTCCGAT	44	CCACTAGTCC	69	CGTTCCTACT	93	CCGCTCAGTA
02	GGACGGAATC	45	TGGACTTGGC	70	GTGGTTGTGA	94	GGTGTGTACA
03	CTTACTGCCG	46	GCTTGACAGG	71	GAAGGCCTGC	95	TTCACGTAAG
04	ACCTAATTGA	47	AAGACCTCTA	72	TAGCTTGCCA	96	GGTTCCACAC
13	CGGCAATCCG	48	AGTTGCCATA	73	GACAATGCTC	97	AGGTATTCTT
14	ATCAGGATTC	49	ATGTACGCAG	74	GCTAATCACA	98	CGAATGCAAC
15	TCATTCCAGA	50	TTAATGAGAT	75	AGTCCATAGG	99	TTCAACGGCG
16	GATGCTGGAT	51	TGCGCCACTT	76	CTATCGCCTA	100	CTCGGCGGAA
25	TAGAGGACAA	52	CATTAAGGCC	77	ATCGTGGTCT	101	ACGGTAATGG
26	CCTAGCGAAT	53	CCGCCTCAGA	78	TGGCTAATAC	102	GATCCGACGT
28	GCTGAGCTGT	55	GCCGGTTATC	79	CAGTGCAGAG	103	TCACGATACA
29	AACCTAGATA	56	GGAATATTGA	80	TCAGGCTGGT	104	GATTCTCTTC
30	TTGCCATCTC	57	ATTCAACGGA	81	ATACTCACGC	114	CCAGAGTCAG
32	CGCTATCGGC	58	AACTGTA CTG	82	ATGCTCCGCG	115	AACAGGCAGT
33	GCAACGATGG	59	GTACCTCAAT	83	TGTGAACTTG	116	GCTCCATGAC
34	TAATCGTTCA	60	GACTTCTAAT	84	GAGAGGTGCT	117	ATGTCTATCC
35	GTTGCTCTA	61	TGAAGCGTTG	85	TGCACTGTAA	121	CCTTGATCAA
36	TCTCACACAT	62	CGTGCGATCC	86	GCCTAGGCAA	122	GGAAGTGGCA
37	CTGTTAGGAT	63	TCGGAAGGCA	87	CCATCATAGC	123	AACATTCTAC
38	CGCAGACGCG	64	CCGATGTGCG	88	CATGGTAATT	124	GACGCGAGTC
39	AAGGATCATC	65	ACTTAGAATG	89	CACCATGTCT	125	CTATAACACT
41	TTAGATGCAT	66	TCCAAGCCTG	90	ATATGTCTGG	126	AGTCTCGTGT
42	GTCCAGAGCT	67	AGACGATGAT	91	AAGGAAGCGT	127	TCGGCCTATG
43	CACGTGATAG	68	CTCACAAGAC	92	TCAAGACGTC	128	TTGCAGACGG

