

VAHTS® AmpSeq Adapters For Ion Torrent

NA121

Version 21.1



Product Description

VAHTS AmpSeq Adapters for Ion Torrent is a specialized kit developed by AmpSeq technology for library preparation of the Ion Torrent high-throughput sequencing platform. Matched with AmpSeq library preparation kit, this kit can prepare multi-sample targeted sequencing DNA libraries suitable for the Ion Torrent platform. The kit NA121-01 contains a total of 12 different barcode adapters from Adapter Barcode 1 to Adapter Barcode 12; the kit NA121-02 contains a total of 12 different barcode adapters from Adapter Barcode 13 to Adapter Barcode 24; the kit NA121-03 contains a total of 24 different barcode adapters from Adapter Barcode 25 to Adapter Barcode 48; the kit NA121-04 contains a total of 24 different barcode adapters from Adapter Barcode 49 to Adapter Barcode 72; and the kit NA121-05 contains a total of 24 different barcode adapters from Adapter Barcode 73 to Adapter Barcode 96. All the adapters provided in the kit have undergone rigorous quality control and functional verification to ensure the optimal stability and repeatability of library preparation.

Components

Component	NA121-01 (12 × 10 rxns)	NA121-02 (12 × 10 rxns)	NA121-03 (24 × 10 rxns)	NA121-04 (24 × 10 rxns)	NA121-05 (24 × 10 rxns)
VAHTS AmpSeq Adapters 1 - 12 for Ion Torrent	10 µl each	-	-	-	-
VAHTS AmpSeq Adapters 13 - 24 for Ion Torrent	-	10 µl each	-	-	-
VAHTS AmpSeq Adapters 25 - 48 for Ion Torrent	-	-	10 µl each	-	-
VAHTS AmpSeq Adapters 49 - 72 for Ion Torrent	-	-	-	10 µl each	-
VAHTS AmpSeq Adapters 73 - 96 for Ion Torrent	-	-	-	-	10 µl each

Storage

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

Applications

Matched with VAHTS AmpSeq Library Prep Kit V2 (Vazyme #NA201), this kit is dedicated to library preparation for Ion Torrent platform.

Notes

The adapters in this kit are blunt-end and are suitable for Ion Torrent high-throughput sequencing platform.

Sequence Information

Each AmpSeq Adapter Barcode provided in the kit contains Adapter P1, and provides a barcode sequence tag to differentiate samples during high-throughput sequencing.

The sequences of AmpSeq Adapter Barcode are as follows:

Name	Sequence
Adapter P1	5'-CCACTACGCCTCCGCTTTCCTCTCTATGGGCAGTCGGTGAT-3'
Adapter Barcode X	5'-CCATCTCATCCCTGCGTGTCTCCGACTCAGXXXXXXXXXXGAT-3'

▲ XXXXXXXXXXXX indicates barcode sequence.



The barcode sequence corresponding to each adapter is as follows:

NA121-01		NA121-02		NA121-03			
Component	Barcode	Component	Barcode	Component	Barcode	Component	Barcode
Adapter 1	CTAAGGTAAC	Adapter 13	TCTAACGGAC	Adapter 25	CCTGAGATAC	Adapter 37	CTTGAGAATGTC
Adapter 2	TAAGGAGAAC	Adapter 14	TTGGAGTGTC	Adapter 26	TTACAACCTC	Adapter 38	TGGAGGACGGAC
Adapter 3	AAGAGGATTC	Adapter 15	TCTAGAGGTC	Adapter 27	AACCATCCGC	Adapter 39	TAACAATCGGC
Adapter 4	TACCAAGATC	Adapter 16	TCTGGATGAC	Adapter 28	ATCCGGAATC	Adapter 40	CTGACATAATC
Adapter 5	CAGAAGGAAC	Adapter 17	TCTATTCGTC	Adapter 29	TCGACCACTC	Adapter 41	TTCCACTTCGC
Adapter 6	CTGCAAGTTC	Adapter 18	AGGCAATTGC	Adapter 30	CGAGGTTATC	Adapter 42	AGCACGAATC
Adapter 7	TTCGTGATTC	Adapter 19	TTAGTCGGAC	Adapter 31	TCCAAGCTGC	Adapter 43	CTTGACACCGC
Adapter 8	TTCCGATAAC	Adapter 20	CAGATCCATC	Adapter 32	TCTTACACAC	Adapter 44	TTGGAGGCCAGC
Adapter 9	TGAGCGGAAC	Adapter 21	TCGCAATTAC	Adapter 33	TTCTCATTGAAC	Adapter 45	TGGAGCTTCCTC
Adapter 10	CTGACCGAAC	Adapter 22	TTCGAGACGC	Adapter 34	TCGCATCGTTC	Adapter 46	TCAGTCCGAAC
Adapter 11	TCCTCGAATC	Adapter 23	TGCCACGAAC	Adapter 35	TAAGCCATTGTC	Adapter 47	TAAGGCAACCAC
Adapter 12	TAGGTGGTTC	Adapter 24	AACCTCATTC	Adapter 36	AAGGAATCGTC	Adapter 48	TTCTAAGAGAC

NA121-04		NA121-05					
Component	Barcode	Component	Barcode	Component	Barcode	Component	Barcode
Adapter 49	TCCTAACATAAC	Adapter 61	TCACTCGGATC	Adapter 73	TCTGCCTGTC	Adapter 85	CCAGCCTCAAC
Adapter 50	CGGACAATGGC	Adapter 62	TTCCTGCTTCAC	Adapter 74	CGATCGGTTC	Adapter 86	CTTGTTATTTC
Adapter 51	TTGAGCCTATTC	Adapter 63	CCTTAGAGTTC	Adapter 75	TCAGGAATAC	Adapter 87	TTGGCTGGAC
Adapter 52	CCGCATGGAAC	Adapter 64	CTGAGTTCGGAC	Adapter 76	CGGAAGAACCTC	Adapter 88	CCGAACACTTC
Adapter 53	CTGGCAATCCTC	Adapter 65	TCCTGGCACATC	Adapter 77	CGAAGCGATTC	Adapter 89	TCCTGAATCTC
Adapter 54	CCGGAGAATCGC	Adapter 66	CCGCAATCATC	Adapter 78	CAGCCAATTCTC	Adapter 90	CTAACCACGGC
Adapter 55	TCCACCTCCTC	Adapter 67	TTCCTACCAGTC	Adapter 79	CCTGGTTGTC	Adapter 91	CGGAAGGATGC
Adapter 56	CAGCATTAATTC	Adapter 68	TCAAGAAGTTC	Adapter 80	TCGAAGGCAGGC	Adapter 92	CTAGGAACCGC
Adapter 57	TCTGGCAACGGC	Adapter 69	TTCAATTGGC	Adapter 81	CCTGCCATTTCGC	Adapter 93	CTTGTTCCAATC
Adapter 58	TCCTAGAACAC	Adapter 70	CCTACTGGTC	Adapter 82	TTGGCATCTC	Adapter 94	TCCGACAAGC
Adapter 59	TCCTTGATGTTTC	Adapter 71	TGAGGCTCCGAC	Adapter 83	CTAGGACATTC	Adapter 95	CGGACAGATC
Adapter 60	TCTAGCTCTTC	Adapter 72	CGAAGGCCACAC	Adapter 84	CTTCCATAAC	Adapter 96	TTAAGCGGTC

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