VAHTS AmpSeq Adapters for Ion Torrent

NA121

Version 22.1

Product Description

VAHTS AmpSeq Adapters for Ion Torrent is a specialized kit based on AmpSeq technology for library preparation of the Ion Torrent sequencing platform. Collocated with AmpSeq library preparation kit, this kit can be used to prepare multi-group samples targeted sequencing DNA libraries suitable for Ion Torrent. NA121-01 contains 12 different barcode adapters from Adapter Barcode 1 to 12; NA121-02 contains 12 different barcode adapters from Adapter Barcode 13 to 24; NA121-03 contains 24 different barcode adapters from Adapter Barcode 25 to 48; NA121-04 contains 24 different barcode adapters from Adapter Barcode 49 to 72; and NA121-05 contains 24 different barcode adapters from Adapter Barcode 73 to 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

Components	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 ~ -15℃ and transport at ≤0℃.

Applications

Collocated with VAHTS AmpSeq Library Prep Kit V3 (Vazyme #NA210), this product is suitable for the Ion Torrent sequencing platform.

Notes

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

1. Centrifuge to collect the reagent at the bottom of the tubes. Otherwise, it may result in poor library quality and waste of reagents.
2. To avoid cross-contamination, please do not open the tubes of different adapters at the same time.
3. Please do not premix the adapters and ligase before use, or it may result in adapter self-ligation.
4. Please do not keep this product in an environment higher than room temperature, or it may cause the degradation of adapters and affect the ligation efficiency.

Library Structure and Sequences

The structure of libraries prepared with VAHTS AmpSeq Adapters for Ion Torrent is as follows:

5' - **Adapter P1** - Insert DNA Sequence - **Adapter Barcode X** - 3'

Each AmpSeq Adapter provided in the kit contains Adapter P1, and Adapter Barcodes used to mark different samples for high-throughput sequencing. The Barcode sequence corresponding to each Adapter is as follows:

NA121-01		NA121-02		NA121-03			
Components	**Barcode**	**Components**	**Barcode**	**Components**	**Barcode**	**Components**	**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			
Components	**Barcode**	**Components**	**Barcode**	**Components**	**Barcode**	**Components**	**Barcode**
Adapter 49	TCCTAACATAAC	Adapter 61	TCACTCGGATC	Adapter 73	TCTGCCTGTC	Adapter 85	CCAGCCTCAAC
Adapter 50	CGGACAATGGC	Adapter 62	TTCCTGCTTCAC	Adapter 74	CGATCGGTTC	Adapter 86	CTTGGTTATTC
Adapter 51	TTGAGCCTATTC	Adapter 63	CCTTAGAGTTC	Adapter 75	TCAGGAATAC	Adapter 87	TTGGCTGGAC
Adapter 52	CCGCATGGAAC	Adapter 64	CTGAGTTCCGAC	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	CCTGCCATTCGC	Adapter 93	CTTGTCCAATC
Adapter 58	TCCTAGAACAC	Adapter 70	CCTACTGGTC	Adapter 82	TTGGCATCTC	Adapter 94	TCCGACAAGC
Adapter 59	TCCTTGATGTTC	Adapter 71	TGAGGCTCCGAC	Adapter 83	CTAGGACATTC	Adapter 95	CGGACAGATC
Adapter 60	TCTAGCTCTTC	Adapter 72	CGAAGGCCACAC	Adapter 84	CTTCCATAAC	Adapter 96	TTAAGCGGTC