

TruePrep Index Kit V3 for Illumina®

Catalog # TD203



Version 6.1

Vazyme biotech co., ltd.

Introduction

TruePrep Index Kit V3 for Illumina® is specially designed for TruePrep DNA Library Prep Kit V2 for Illumina® (Vazyme, #TD501, #TD502, #TD503). It contains 16 kinds of N6XX and 24 kinds of N8XX, providing 384 kinds of different dual-indexed adapter combinations.

Contents of Kit

	Components	TD203 (384 rxn)	Index Sequence	Index Name	
N6XX	N601	240 µl	CTCTCTAT	Index 2 (i5)	■
	N602	240 µl	TATCCTCT		■
	N603	240 µl	GTAAGGAG		■
	N604	240 µl	ACTGCATA		■
	N605	240 µl	AAGGAGTA		■
	N606	240 µl	CTAAGCCT		■
	N607	240 µl	CGTCTAAT		■
	N608	240 µl	TCTCTCCG		■
	N609	240 µl	TCGACTAG		■
	N610	240 µl	TTCTAGCT		■
	N611	240 µl	CCTAGAGT		■
	N612	240 µl	GCGTAAGA		■
	N613	240 µl	CTATTAAG		■
	N614	240 µl	AAGGCTAT		■
	N615	240 µl	GAGCCTTA		■
	N616	240 µl	TTATGCGA		■
N8XX	N801	160 µl	TAAGGCGA	Index 1 (i7)	■
	N802	160 µl	CGTACTAG		■
	N803	160 µl	AGGCAGAA		■
	N804	160 µl	TCCTGAGC		■
	N805	160 µl	GGACTCCT		■
	N806	160 µl	TAGGCATG		■
	N807	160 µl	CTCTCTAC		■
	N808	160 µl	CGAGGCTG		■
	N809	160 µl	AAGAGGCA		■
	N810	160 µl	GTAGAGGA		■
	N811	160 µl	GCTCATGA		■
	N812	160 µl	ATCTCAGG		■
	N813	160 µl	ACTCGCTA		■
	N814	160 µl	GGAGCTAC		■
	N815	160 µl	GCGTAGTA		■
	N816	160 µl	CGGAGCCT		■
	N817	160 µl	TACGCTGC		■
	N818	160 µl	ATGCGCAG		■
	N819	160 µl	TAGCGCTC		■
	N820	160 µl	ACTGAGCG		■
	N821	160 µl	CCTAAGAC		■
	N822	160 µl	CGATCAGT		■
	N823	160 µl	TGCAGCTA		■
	N824	160 µl	TCGACGTC		■

Storage

Store at -20°C.



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Order: global@vazyme.com

Support: support@vazyme.com

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

Application

Special for TruePrep DNA Library Prep Kit V2 for Illumina® (Vazyme, #TD501, #TD502, #TD503), providing 384 kinds of different dual-indexed adapter combinations.

Quality Control

16-Hour Incubation: A 50 µl reaction system containing 5 µl of Oligos and 1 µg of Hind III- λ DNA 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 Oligos 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 Oligos 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.

Protocol

Strategy of Index Selection

Green fluorescent labeled dG/dT and red fluorescent labeled dC/dA were used in Illumina. To ensure successful sequencing, both green and red fluorescent signal must be detected in each sequencing cycle. Therefore, it is important to keep balance of the green and red fluorescence signals when choosing the Indices.

The following are some recommended combination of the Indices:

Examples of Right Selection				Examples of Wrong Selection			
Number of Samples	Sample ID	N8XX [Index 1 (i7)]	N6XX [Index 2 (i5)]	Number of Samples	Sample ID	N8XX [Index 1 (i7)]	N6XX [Index 2 (i5)]
4	1 N805	GGACTCCT	N603 GTAAGGAG	4	1 N805	GGACTCCT	N602 TATCCTCT
	2 N806	TAGGCATG	N603 GTAAGGAG		2 N806	TAGGCATG	N602 TATCCTCT
	3 N801	TAAGGCGA	N604 ACTGCATA		3 N801	TAAGGCGA	N603 GTAAGGAG
	4 N802	CGTACTAG	N604 ACTGCATA		4 N802	CGTACTAG	N603 GTAAGGAG
		√√√√√√√	√√√√√√√			√√√√√√√	x√√x√xxx

√: have both green and red fluorescence signals.

x: Missing green or red fluorescence signals.

