

TruePrep Dual Index Kit V1 for MGI























TDM201

Version 23.1

Product Description

TruePrep Dual Index Kit V1 for MGI is specially designed for TruePrep DNA Library Prep Kit for MGI (Vazyme #TDM501-503) and TruePrep Flexible DNA Library Prep Kit for MGI (Vazyme #TDM504). It contains 8 types of NTM5XX and 12 types of NTM7XX, providing 96 types of different dual-indexed adapters combinations. All the reagents provided in the kit have undergone rigorous quality control and functional testing to ensure the optimal stability and repeatability of library preparation.

Components

	Components	TDM201-01 (192 rxns)	Index Sequence	Index Name
NTM5XX	 NTM501	120 µl	AATCGGCTCG	Index 2 (i5)
	 NTM502	120 µl	AGGACGTAGA	
	 NTM503	120 µl	CTGAACCGAA	
	 NTM504	120 µl	GAACGTGTCTG	
	 NTM505	120 µl	CCTGTAACCA	
	 NTM506	120 µl	GTGACCGGTA	
	 NTM507	120 µl	ACCGATTAGG	
	 NTM508	120 µl	TGATTCCGAG	
NTM7XX	 NTM701	80 µl	GCTTAGACCT	Index 1 (i7)
	 NTM702	80 µl	GACAGATTGG	
	 NTM703	80 µl	GAATTGGCCG	
	 NTM704	80 µl	ACGCATCAAT	
	 NTM705	80 µl	CGTGACAGTC	
	 NTM706	80 µl	TTAACTTGAA	
	 NTM707	80 µl	ACGCGACCGT	
	 NTM708	80 µl	TGTGTCATCA	
	 NTM709	80 µl	CTCTCGGATC	
	 NTM710	80 µl	AGTAAGTGCT	
	 NTM711	80 µl	TATACTGCGT	
	 NTM712	80 µl	CCAGTCCTTC	

▲ For a single DNA library sample, add 5 µl each of NTM5XX and NTM7XX.

▲ Before sequencing, enter the sequence corresponding to the Index used in the Sample Sheet according to the sequencing platform.

▲ The colors marked in the components table represents the color of tube cap of each component.

Storage

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

Application

It is applicable for TruePrep DNA Library Prep Kit for MGI (Vazyme #TDM501-503) and TruePrep Flexible DNA Library Prep Kit for MGI (Vazyme #TDM504).

Notes

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

1. Prevent crosstalk between different Indexes.
2. When this kit is used with MGI transposase library preparation reagents, it can be mixed with other libraries from the MGI platform for sequencing (on the same chip). For this sequencing, it is recommended to use the sequencing primers TNM Sequencing Primers for SE (Vazyme #TMS002-C1) or TNM Sequencing Primers for PE (Vazyme #TMS002-C2).

Library Structure and Sequences

The structure of DNA library constructed by TruePrep Dual Index Kit V1 for MGI is as follows:

5'-phos-NTM5XX-Insert DNA Sequence-NTM7XX-3'

phos: phosphorylation modification



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