

NGS targeted capture of universal sequences-Blocker Quick Manual

Version: 2020011v5

Product Name	For NGS Library	Item No.	Specification	Storage
Un-Blocker	illumina TruSeq Library	Cat: P10007	☐ 12 rxns ☐ 96 rxns	-20℃
Tn5-Blocker	illumina Tn5 Library	Cat: P10070	☐ 12 rxns ☐ 96 rxns	
MGI-Blocker	MGI Si-index Library	Cat: P10008	☐ 12 rxns ☐ 96 rxns	
MGI-Dual-Blocker	MGI Dual-index Library	Cat:P10012	☐ 12 rxns ☐ 96 rxns	

Universal Blocker: used in NGS hybridization capture experiments to block library adapters and indices, reduce hybridization between adapter sequences, and improve capture specificity.

Un-Blocker: A pre-mixed mix suitable for Illumina TruSeq library construction. It is a universal sequence that blocks multiple indexed adapter sequences (single/double ended, 6nt/8nt/10nt, UMI (read inner UMI)).

Tn5-Blocker: A pre-mixed mix suitable for Tn5 transposon library construction, with a universal blocking sequence that blocks multiple indexed adapter sequences.

MGI-Blocker: A pre-mixed mix suitable for single ended index libraries of MGI sequencing instruments. It is a universal sequence that blocks multiple indexed adapter sequences (single ended, 8nt/10nt/12nt, UMI (read inner UMI)).

MGI-Dual-Blocker: A pre-mixed mix suitable for MGI sequencing instrument double ended index libraries. It is a universal sequence that blocks multiple indexed adapter sequences (double ended, 8nt/10nt/12nt, UMI (read inner UMI)).

Recommended usage for single capture reaction:

Composition	Usage	Note
DNA library	500 ng	Single library
Human Cot-1 DNA	5 µL	The usage of a single hybrid library requires an increase in the amount of Human Cot-1 DNA when there are multiple hybrids Not included in this reagent kit
Universal sequence -Blocker	2 µL	Single reaction usage

* **Un-Blocker、Tn5-Blocker、MGI-Blocker、MGI-Dual-Blocker can be compatible with probe hybridization systems from various manufacturers in the market.**