

NGS Multiplex Oligos for Illumina (Index Primers Set I)

Product Number: PCK86

Shipping and Storage

Stored at -20 °C, transported in ice bags.

Components

Component	PCK86	PCK86
	24rxns	96rxns
Adaptor for Illumina	60µl	240µl
Universal Primer for Illumina	30µl	120µl
Index 1–12 Primers for Illumina	12×10µl	12×20µl

Description

This kit provides adapters and primers used in second-generation sequencing library construction, specifically designed for Illumina platform library construction. The index primer design can meet the needs of preparing multiple library samples for multiple high-throughput sequencing. The prepared library can be used for sequencing platforms such as Illumina GAIIx, HiSacnSQ, HiSeq 2500/2000/1000, and MiSeq sequencing.

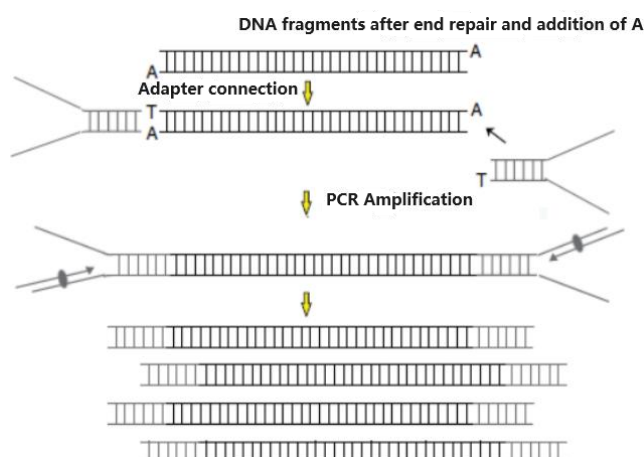
Self provided instruments, reagents, and consumables

1. Magnetic frame
2. DNA purification and recovery kit
3. DNA Library Kit
4. Anhydrous ethanol
5. Reaction tube: It is recommended to use a low adsorption PCR tube and a 1.5 ml centrifuge tube
6. Gun head: It is recommended to use high-quality filter gun heads to prevent contamination of reagent kits and library samples

Preparation and important precautions before the experiment

1. The adapter is a double chain structure, please do not place it above room temperature to avoid chain breaking and affecting its use.
2. Before opening the index primer, please briefly centrifuge to collect the liquid to the bottom of the tube to avoid cross contamination between different primers.

Protocol



For Research Use Only

1. Adaptor for Illumina :

5'-/5Phos/ GATCGGAAGAGCACACGTCTGAACTCCAGT*C -3'

5'-ACACTCTTTCCCTACACGACGCTCTTCCGATC*T-3'

2. Universal Primer for Illumina :

5-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATC*T -3'

3. Index 1–12 Primers for Illumina :

	Index Primers for Illumina	Index
Index 1 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT TCGTGAT GTGACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	ATCACGAT
Index 2 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT ACATCGGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	CGATGTAT
Index 3 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT GCCTAAGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	TTAGGCAT
Index 4 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT TGGTCAGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	TGACCAAT
Index 5 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT CACTGTGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	ACAGTGAT
Index 6 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT ATTGGCGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	GCCAATAT
Index 7 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT GATCTGGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	CAGATCAT
Index 8 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT TCAAGTGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	ACTTGAAT
Index 9 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT CTGATCGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	GATCAGAT
Index 10 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT AAGCTAGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	TAGCTTAT
Index 11 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT GTAGCCGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	GGCTACAT
Index 12 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGAT TACAAGGT GACTGGAGTTCAGACGTGT GCTCTTCCGATC-s-T-3'	CTTGTAAT