

## NGS Multiplex Oligos for Illumina (Index Primers Set I)

**Project number:** N665658

**Storage condition:** -20°C for storage, ice pack for transportation.

### Product content

Component	N665658-24T	N665658-96T
Adaptor for Illumina	60 $\mu$ l	240 $\mu$ l
Universal Primer for Illumina	30 $\mu$ l	120 $\mu$ l
Index 1-12 Primers for Illumina	12 $\times$ 10 $\mu$ l	12 $\times$ 20 $\mu$ l

### Product Introduction

This kit provides the adaptor and primer used in second-generation sequencing library construction, designed for illumina platform library construction, index primer design can meet the needs of multiple high-throughput sequencing to prepare multiple library samples, the prepared library can be used for Illumina GAIIx, HiSacrSQ, HiSeq 2500/ 2000/1000 and MiSeq sequencing sequencing platform sequencing. 2000/1000 and MiSeq sequencing.

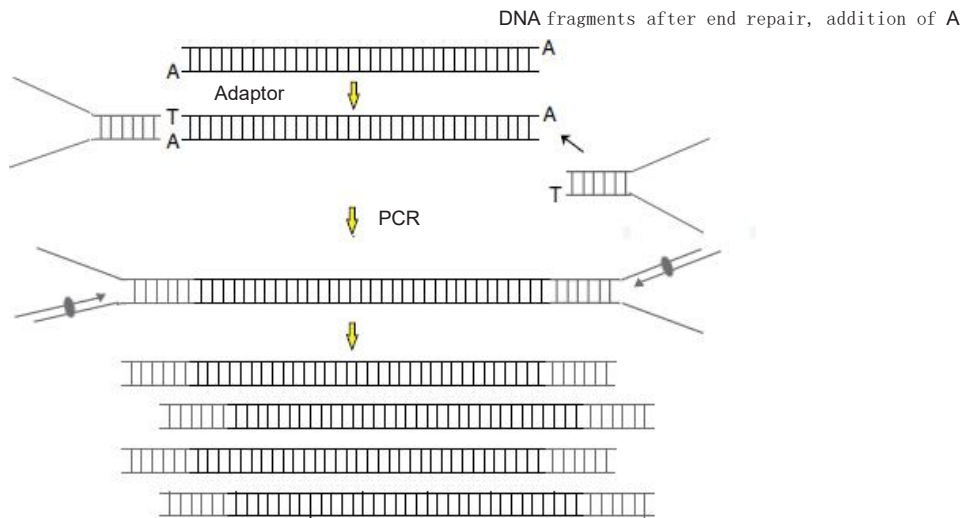
### Provide your own instruments, reagents and consumables

1. Magnetic frame: DynaMag<sup>TM</sup>-2 is recommended.
2. DNA purification recovery kit.
3. DNA building kit.
4. Anhydrous ethanol.
5. Reaction tubes: It is recommended to use low adsorption PCR tubes with 1.5 ml centrifuge tubes;
6. Tip: It is recommended to use a high quality filter tip to prevent contamination of kits and library samples.

### Pre-experiment Preparation and Important Notes

1. Adaptor is a double chain structure, do not leave it above room temperature to avoid unraveling and affecting the use.
2. Please centrifuge the Index primer briefly before uncapping so that the liquid collects at the bottom of the tube to avoid cross-contamination between different primers.

## Usage Process



### Operation steps

Please follow the protocol of the second-generation sequencing rapid DNA library building kit for the use of the second-generation sequencing multi sample connector primer kit.

Adaptor for Illumina:

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

5'-ACACTCTTTCCCTACACGACGCTCTCTCCGATC\*T-3'

Universal Primer for Illumina:

5-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTCCGATC\*T -3'.

Index 1-12 Primers for Illumina:

	Index Primers for Illumina	Index
Index 1 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATCGTGATGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	ATCACGAT
Index 2 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATACATCGGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	CGATGTAT
Index 3 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATGCCTAAGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	TTAGGCAT
Index 4 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATTGGTCAGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	TGACCAAT
Index 5 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATCACTGTGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	ACAGTGAT
Index 6 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATATTGGCGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GCCAATAT
Index 7 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATGATCTGGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	CAGATCAT
Index 8 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATTCAAGTGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	ACTTGAAT
Index 9 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATCTGATCGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GATCAGAT
Index 10 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATAAGCTAGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	TAGCTTAT
Index 11 Primer for Illumina	5-CAAGCAGAAGACGGCATACGAGATGTAGCCGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GGCTACAT



Index 12 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATTACAAGGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	CTTGTAAT
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