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

**Project number:** N665671

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

### Product content

Component	N665671-24T	N665671-96T
Adaptor for Illumina	60 $\mu$ l	240 $\mu$ l
Universal Primer for Illumina	30 $\mu$ l	120 $\mu$ l
Index 13-27 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.

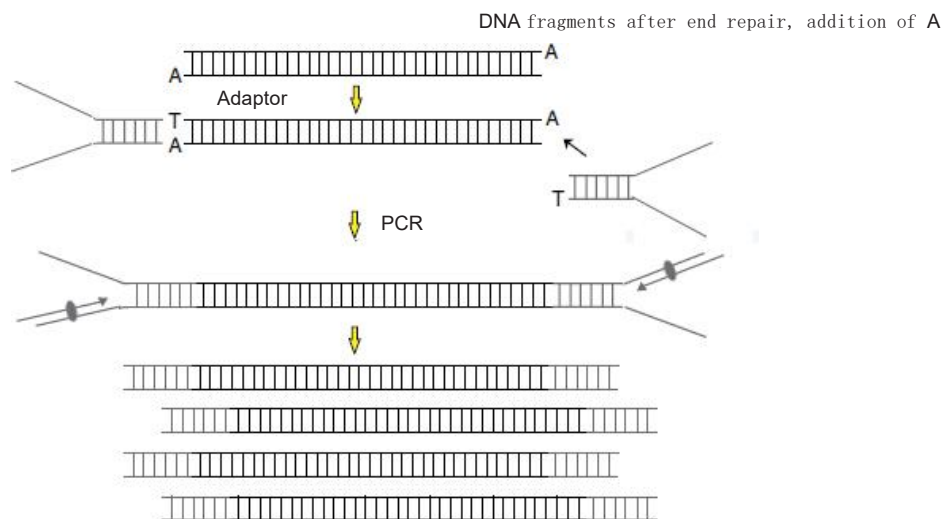
### Provide your own instruments, reagents and consumables

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-AATGATACGGCACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATC\*T -3'.

Index 13-27 Primers for Illumina:

	Index Primers for Illumina	Index
Index 13 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATTGTTGACTGTGAC TGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	AGTCAACA
Index 14 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATACGGAAGTGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	AGTTCCGT
Index 15 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATTCTGACATGTGAC TGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	ATGTCAGA
Index 16 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCGGGGACGGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	CCGTCCCG
Index 18 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATGTGCGGACGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GTCCGCAC
Index 19 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCGTTTACGTGAC TGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GTGAAACG
Index 20 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATAAGGCCACGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GTGGCCTT
Index 21 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCCGAAACGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GTTTCGGA



Index 22 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATTACGTACGGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	CGTACGTA
Index 23 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATATATCCACTCGTGAC TGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	GAGTGGAT
Index 25 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATATATCAGTGTGAC TGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	ACTGATAT
Index 27 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATAAAGGAATGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATC-s-T-3'	ATTCCTTT