

**Index 1–12 Primers for Illumina:**

	Index Primers for Illumina	Index
Index 1 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCGTGATGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	ATCACGAT
Index 2 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATACATCGGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	CGATGTAT
Index 3 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATGCCTAAGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	TTAGGCAT
Index 4 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATTGGTCAGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	TGACCAAT
Index 5 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCACTGTGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	ACAGTGAT
Index 6 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATATTGGCGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	GCCAATAT
Index 7 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATGATCTGGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	CAGATCAT
Index 8 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCAAGTGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	ACTTGAAT
Index 9 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATCTGATCGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	GATCAGAT
Index 10 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATAAGCTAGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	TAGCTTAT
Index 11 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATGTAGCCGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	GGCTACAT
Index 12 Primer for Illumina	5-CAAGCAGAAGACGGCATAACGAGATTACAAGGTGA CTGGAGTTCAGACGTGTGCTCTCCGATC-s-T-3'	CTTGTAAAT

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

**Cat. No. :** CW2586S (24 rxns)  
CW2586M (96 rxns)

**Storage Condition:** -20°C, transport on ice.

### Components

Component	CW2586S 24 rxns	CW2586M 96 rxns
Adaptor for Illumina	60 µL	240 µL
Universal Primer for Illumina	30 µL	120 µL
Index 1–12 Primers for Illumina	12×10 µL	12×20 µL

## Introduction

This kit provides the adapter and primer for NGS library preparation. It is designed for Illumina platform, and index primer is designed to meet the need to prepare multiple library samples for multiple high-throughput sequencing. The library prepared can be used for the sequencing of multiple platforms such as Illumina GAllx, HiSacrSQ, HiSeq 2500/2000/1000 and MiSeq sequencing, etc.

## Self-Provided Instruments, Reagents and Consumables

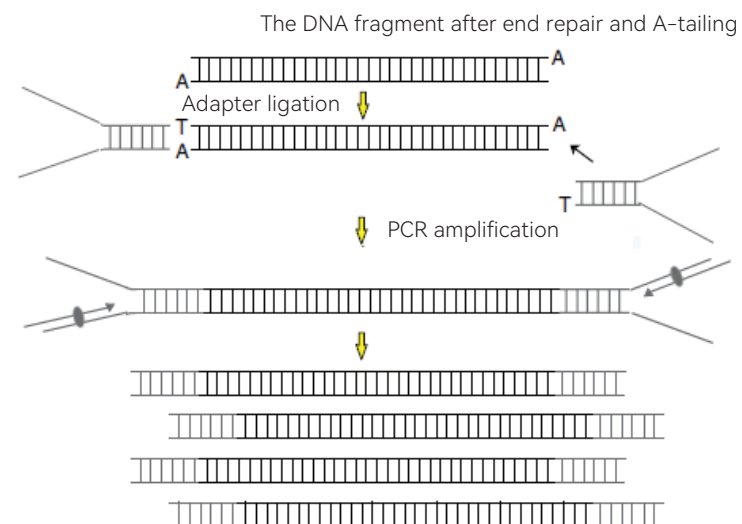
1. Magnetic rack: It is recommended to use DynaMag™-2 (Cat. No. 12321D).
2. DNA purification and recovery kit: It is recommended to use CoWin's MagBead DNA Purification Kit (for NGS Size Selection) (Cat. No. CW2508).
3. Library preparation kit: It is recommended to use CoWin's NGS Fast DNA Library Prep Set for Illumina (Cat. No. CW2585).
4. Absolute ethanol.
5. Reaction tubes: It is recommended to use low-adsorption PCR tubes and 1.5 mL centrifuge tubes.

Pipette tips: It is recommended to use high-quality filter tips to prevent contamination of kit and library samples.

## Preparation And Important Notes Before the Experiment

1. Adapter is double-chain structure. Do not place it above room temperature to avoid unchain and affect use.
2. Please centrifuge briefly before opening the lid of Index primer. Collect the liquid to the bottom of the tube to avoid cross-contamination between different primers.

## Schematic Diagram



## Protocol

For the use of this kit, please follow the protocol of CoWin's NGS Fast DNA Library Prep Set for Illumina (Cat. No. CW2585).

### Adaptor for Illumina:

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

5'-ACACTCTTTCCCTACACGACGCTCTTCCGATC\*T-3'

### Universal Primer for Illumina:

5-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATC\*-3'