

# egSEQ Adapter & UDI Primer 1-16

## Product Description

egSEQ Adapter & UDI Primer are an essential component in any next-generation sequencing (NGS) experiments. The adapter links the DNA sample to the sequencing platform and contains barcodes for sample identification, while the UDI primer initiates amplification and sequencing of the DNA by priming the reaction. These components standardise and optimise the sequencing process, providing more accurate and reproducible results.

UDI sequencing library contains universal sequences, i7 Index sequences, i5 Index sequences and inserts.

### Forward Sequence:

5'-AATGATACGGCGACCACCGAGATCTACAC-i5 Index-ACACTCTTCCCTACACGACGCTCTTCCGATCT-Insert-AGATCGGAAGAGCACACGTCTGAACTCCAGTCAC-i7 Index'-ATCTCGTATGCCGTCTTCTGCTTG-3'

### Reverse Sequence:

5'-CAAGCAGAAGACGGCATAACGAGAT-i7 Index-GTGAAGTTCAGACGTGTGCTCTTCCGATCT-Insert-AGATCGGAAGAGCGTCGTGTAGGGAAAG AGTGT-i5 Index'-GTGTAGATCTCGGTGGTCGCCGTATCATT-3'

i7 Index sequences are independent of the sequencing mode and platform.

i5 Index is suitable for pair-end sequencing and is platform dependent.

Use i5 Index: NovaSeq 6000 with v1.0 reagent, MiSeq, HiSeq 2000/2500, NextSeq 2000

Use i5 Index reverse complementary sequences: iSeq, NovaSeq 6000 with v1.5 kits, MiniSeq, NextSeq 500/550, HiSeq 3000/4000/X, NextSeq 2000

Index no.	i7 Index sequence	i5 Index sequence	Index no.	i7 Index sequence	i5 Index sequence
#1	CGATCGAT	CGGTTGTT	#9	AGGAGGTT	TTACCGAG
#2	TATGACCG	GTGCTTAC	#10	TGGCTCTT	GATTACCG
#3	AAGCGACT	TCGTGGAT	#11	TTCGTACG	GCTGTAAG
#4	GTTGCTGT	GTGAAGTG	#12	AACACTGG	TTGCGAAG
#5	GTAAGCAC	TTGGTCTC	#13	GCGTTAGA	TTGTCGGT
#6	AACTGAGG	GTGCCATA	#14	ACAACAGC	GTCAGTTG
#7	CCTCGAAT	CTACAGTG	#15	TGCGATAG	GTAGAGCA
#8	CACCAGTT	CCAGTGTT	#16	CATGGATC	AGTCGCTT

## Ordering Information

Product Code	Product Name	Specifications
EG1000S	egSEQ Adapter & UDI Primer 1-16	16 rxn

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# egSEQ Adapter & UDI Primer

## Components

Cap Colour	Component	Volume	Box Code	Storage Temperature	Transport Requirements
Blue	egSEQ Adapter (15 µM, for Illumina)	88 µL	EG1002S	-20°C ± 5 °C	Dry ice
White	egSEQ UDI Primer 1-8 (10 µM each, for Illumina)	16 x 8 µL	EG1003S		
White	egSEQ UDI Primer 9-16 (10 µM each, for Illumina)	16 x 8 µL	EG1004S		

## Precautions

- Please read all relevant Safety Data Sheet(s).
- To ensure the quality of results, please follow corresponding instructions.
- Please wear appropriate personal protective equipment.
- Please handle biological samples and other materials in accordance with applicable guidelines.
- Avoid cross-contamination of samples and reagents to ensure the quality of results
- Do not use expired kits.

## Version History

Version	Date	Change(s)
v1.0	January 2022	Initial release
v1.01	August 2023	Product code updated

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