

VAHTS Small RNA Index Primer Kit for Illumina®

Cat# NB-54-0078/ NB-54-0079/ NB-54-0080/ NB-54-0081

Introduction

VAHTS Small RNA Index Primer Kit for Illumina are specially designed for matching VAHTS Small RNA Library Prep Kit for Illumina (NB-54-0119-01 / -02). The kit contains one kind of Universal Primer and 48 kinds of various small RNA Index Primer, which can be applied to 48 kinds of single-index small RNA library preparation. The reagents provided are all tested by rigid quality control test and function assay, maximally ensuring the stability and repetitiveness of library construction.

Components

| Components | NB-54-0078 | NB-54-0079 | NB-54-0080 | NB-54-0081 |
|---|------------|------------|------------|------------|
| Universal Primer | 120 µl | 120 µl | 120 µl | 120 µl |
| Index 1 Primer -Index 12 Primer(12 kinds) | 10 µl | ---- | ---- | ---- |
| Index 13 Primer -Index 24 Primer(12 kinds) | ---- | 10 µl | ---- | ---- |
| Index 25 Primer -Index 36 Primer(12 kinds) | ---- | ---- | 10 µl | ---- |
| Index 37 Primer - Index 48 Primer(12 kinds) | ---- | ---- | ---- | 10 µl |

The usage amount of each small RNA library Index Primer is 2.5 µl. Each kind of Index Primer package can construct 4 kinds of small RNA libraries. The whole kit can construct 48 kinds of small RNA libraries in all.

Storage

All the components should be stored at -20°C.

Additional Material Required

VAHTS Small RNA Library Prep Kit for Illumina (NeoBio NB-54-0119-01 24 rxns or NB-54-0119-02 96 rxns)

Sequence Information

The corresponding sequences of small RNA Index are as follows:

| Index code | Index sequence | Index code | Index sequence | Index code | Index sequence | Index code | Index sequence |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| Index 1 | A T C A C G | Index 13 | A G T C A A | Index 25 | A C T G A T | Index 37 | C G G A A T |
| Index 2 | C G A T G T | Index 14 | A G T T C C | Index 26 | A T G A G C | Index 38 | C T A G C T |
| Index 3 | T T A G G C | Index 15 | A T G T C A | Index 27 | A T T C C T | Index 39 | C T A T A C |
| Index 4 | T G A C C A | Index 16 | C C G T C C | Index 28 | C A A A A G | Index 40 | C T C A G A |
| Index 5 | A C A G T G | Index 17 | G T A G A G | Index 29 | C A A C T A | Index 41 | G A C G A C |
| Index 6 | G C C A A T | Index 18 | G T C C G C | Index 30 | C A C C G G | Index 42 | T A A T C G |
| Index 7 | C A G A T C | Index 19 | G T G A A A | Index 31 | C A C G A T | Index 43 | T A C A G C |
| Index 8 | A C T T G A | Index 20 | G T G G C C | Index 32 | C A C T C A | Index 44 | T A T A A T |
| Index 9 | G A T C A G | Index 21 | G T T T C G | Index 33 | C A G G C G | Index 45 | T C A T T C |
| Index 10 | T A G C T T | Index 22 | C G T A C G | Index 34 | C A T G G C | Index 46 | T C C C G A |
| Index 11 | G G C T A C | Index 23 | G A G T G G | Index 35 | C A T T T T | Index 47 | T C G A A G |
| Index 12 | C T T G T A | Index 24 | G G T A G C | Index 36 | C C A A C A | Index 48 | T C G G C A |

The structure of libraries prepared with VAHTS Small RNA Library Prep Kit for Illumina is as follows:

AATGATACGGCGACCACCGAGATCTACACGTTTCAGAGTTCTACAGTCCGACGATC—Insert—AGATCGGAAGAGCACACGTCTGAAC
TCCAGTCACIIIIIIATCTCGTATGCCGTCTTCTGCTTG

Index

▲ the Index is exactly the Index sequence in above table.