

TN Primer Index List-A

Instruction for Use

【Product Name】

TN Primer Index List-A

【Cat. No./Spec.】

K211-A/100 rxns

【Product Description】

#K211-A TN Primer Index list-A is a transposase library construction amplification primer kit containing 10 i5 PCR Primers and 10 i7 PCR Primers, both Primers contain 8 nt of index respectively, which can construct different combinations of dual-index libraries.

【Storage Condition & Shelf Life】

All reagents should be stored at -20°C. The product is valid for 24 months.

【Scope of application】

This product is a transposase library construction amplification primer kit for Illumina sequencing platform.

【Example】

| Component | Volume |
|-------------------------------|----------|
| 2 × Library PCR Master Mix | 10 μl |
| TN501 | 2 μl |
| TN701 | 2 μl |
| Transposase fragment products | 4 μl |
| ddH ₂ O | To 20 μl |

| i5 PCR Primer | Specification |
|---------------|---------------|
| TN501 | 20μl |
| TN502 | 20μl |
| TN503 | 20μl |
| TN504 | 20μl |
| TN505 | 20μl |
| TN506 | 20μl |
| TN507 | 20μl |
| TN508 | 20μl |
| TN509 | 20μl |
| TN510 | 20μl |

| i7 PCR Primer | Specification |
|---------------|---------------|
| TN701 | 20μl |
| TN702 | 20μl |
| TN703 | 20μl |
| TN704 | 20μl |
| TN705 | 20μl |
| TN706 | 20μl |
| TN707 | 20μl |
| TN708 | 20μl |
| TN709 | 20μl |
| TN710 | 20μl |

Sequence Information

Index primer:

N5XX: 5'-AATGATACGGCGACCACCGAGATCTACAC[i5]TCGTCGGCAGCGTC-3'

N7XX: 5'-CAAGCAGAAGACGGCATAACGAGAT[i7]GTCTCGTGGGCTCGG-3'

i5 PCR Primer index sequences

| Number | i5 index (Forward) | i5 index (Reverse Complement) |
|--------|-----------------------|----------------------------------|
| TN501 | ATATGCGC | GCGCATAT |
| TN502 | TGGTACAG | CTGTACCA |
| TN503 | AACCGTTC | GAACGGTT |
| TN504 | TAACCGGT | ACCGGTTA |
| TN505 | GAACATCG | CGATGTTC |
| TN506 | CCTTG TAG | CTACAAGG |
| TN507 | TCAGGCTT | AAGCCTGA |
| TN508 | GTTCTCGT | ACGAGAAC |
| TN509 | AGAACGAG | CTCGTTCT |
| TN510 | TGCTTCCA | TGGAAGCA |

i7 PCR Primer index sequences

| Number | I7 index (Forward) | I7 index (Reverse Complement) |
|--------|-----------------------|----------------------------------|
| TN701 | CTGATCGT | ACGATCAG |
| TN702 | ACTCTCGA | TCGAGAGT |
| TN703 | TGAGCTAG | CTAGCTCA |
| TN704 | GAGACGAT | ATCGTCTC |
| TN705 | CTTGTCGA | TCGACAAG |
| TN706 | TTCCAAGG | CCTTGGAA |
| TN707 | CGCATGAT | ATCATGCC |
| TN708 | ACGGAACA | TGTTCCGT |
| TN709 | CGGCTAAT | ATTAGCCG |
| TN710 | ATCGATCG | CGATCGAT |