

# Certificate of Analysis

## DNA Unique Dual Index Kit - 24U Set C

Catalog No.	Amount	Lot Number
R400667	48 rxns	Specified on product label.

### Description

DNA unique dual index kits contain unique dual-indexed PCR primers designed for use with ThruPLEX® and PicoPLEX® kits to construct NGS libraries for multiplexed sequencing on Illumina® sequencers.

### Package Contents

- 10 µl U49 - DNA Unique Dual Index (5 µM)
- 10 µl U50 - DNA Unique Dual Index (5 µM)
- 10 µl U51 - DNA Unique Dual Index (5 µM)
- 10 µl U52 - DNA Unique Dual Index (5 µM)
- 10 µl U53 - DNA Unique Dual Index (5 µM)
- 10 µl U54 - DNA Unique Dual Index (5 µM)
- 10 µl U55 - DNA Unique Dual Index (5 µM)
- 10 µl U56 - DNA Unique Dual Index (5 µM)
- 10 µl U57 - DNA Unique Dual Index (5 µM)
- 10 µl U58 - DNA Unique Dual Index (5 µM)
- 10 µl U59 - DNA Unique Dual Index (5 µM)
- 10 µl U60 - DNA Unique Dual Index (5 µM)
- 10 µl U61 - DNA Unique Dual Index (5 µM)
- 10 µl U62 - DNA Unique Dual Index (5 µM)
- 10 µl U63 - DNA Unique Dual Index (5 µM)
- 10 µl U64 - DNA Unique Dual Index (5 µM)
- 10 µl U65 - DNA Unique Dual Index (5 µM)
- 10 µl U66 - DNA Unique Dual Index (5 µM)
- 10 µl U67 - DNA Unique Dual Index (5 µM)
- 10 µl U68 - DNA Unique Dual Index (5 µM)
- 10 µl U69 - DNA Unique Dual Index (5 µM)
- 10 µl U70 - DNA Unique Dual Index (5 µM)
- 10 µl U71 - DNA Unique Dual Index (5 µM)
- 10 µl U72 - DNA Unique Dual Index (5 µM)

### Storage Conditions

- Store at -20°C.

### Expiration Date

- Specified on product label.

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#### Takara Bio USA, Inc.

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U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)

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## Shipping Conditions

- Dry ice

## Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- DNA Unique Dual Index Kit - 24U Protocol-At-A-Glance

## Quality Control Data

All primers were PAGE-purified and verified by ESI analysis.

All primers were functionally tested with 200 pg of 200 bp sheared human genomic DNA using the ThruPLEX DNA-Seq Kit to produce indexed libraries. The libraries were pooled, purified, quantified, and then sequenced on the Illumina sequencing platform. The following parameters were measured for libraries prepared with indexed primers, which were required to meet the following specifications:

Test Parameters	Result (%)
qPCR end-point fluorescence (%CV)	≤20
% Coverage (%CV)	≤20
Read pairs examined (%CV)	≤20
Barcode balance as min/mean (%)	≥40

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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R400667

### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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