

ThruPLEX® Tag-seq 48S Kit

Catalog No.
R400585

Amount
48 rxns

Lot Number
Specified on product label.

Description

The ThruPLEX Tag-seq 48S Kit combines molecular tags with our proprietary ThruPLEX chemistry, allowing construction of molecularly-tagged and sample-indexed Illumina® NGS libraries. Only 1 ng to 50 ng of cell-free DNA is required for library preparation. Once purified and quantified, the resulting library is ready for Illumina NGS instruments using standard Illumina sequencing reagents and protocols. The entire three-step workflow takes place in a single tube or well in about two hours. No intermediate purification steps or sample transfers are necessary, preventing handling errors and loss of valuable samples. The kit includes all necessary reagents (including indexes) for multiplexing up to 48 samples.

Package Contents

- 192 µl Template Preparation Buffer
- 48 µl Template Preparation Enzyme
- 120 µl Library Synthesis Buffer
- 120 µl Library Synthesis Enzyme
- 1,200 µl Library Amplification Buffer
- 48 µl Library Amplification Enzyme
- 384 µl Nuclease-Free Water
- 1 Single Index Plate (48S)

Storage Conditions

- Store at -20°C

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Dry ice (-70°C)

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: techUS@takarabio.com

United States/Canada
800.662.2566
(072320)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

Certificate of Analysis

Cat. No. R400585

ThruPLEX Tag-seq 48S Kit

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- ThruPLEX Tag-seq Kit User Manual
- ThruPLEX Tag-seq Kit Protocol-At-A-Glance

Quality Control Data

These components have been functionally validated with DNA using real-time amplification analysis followed by sequencing on the Illumina sequencing platform.

Quality Control Testing	
Test Parameter	Result
% mapped reads	Pass
Total unique molecular tag combinations	Pass
Unique molecular tag distribution	Pass

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

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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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

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