

ThruPLEX® DNA-seq 48D Kit

Catalog No.	Amount	Lot Number
R400406	48 rxns	Specified on product label.

Description

The ThruPLEX DNA-seq 48D Kit includes all necessary reagents for generating and multiplexing DNA-seq libraries. Once purified and quantified, the resulting library is ready for Illumina® NGS instruments using standard Illumina sequencing reagents and protocols. Only 50 pg to 50 ng of fragmented double-stranded DNA is required for library preparation. 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. This kit includes reagents sufficient for 48 reactions with 48 pre-plated dual index primer sets.

Package Contents

- 96 µl Template Preparation Buffer
- 48 µl Template Preparation Enzyme
- 48 µl Library Synthesis Buffer
- 48 µl Library Synthesis Enzyme
- 1,200 µl Library Amplification Buffer
- 48 µl Library Amplification Enzyme
- 384 µl Nuclease-Free Water
- 1 Dual Index Plate (48D)

Storage Conditions

- Store at –20°C

Shelf Life

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

Shipping Conditions

- Dry ice (–70°C)

Product Documents

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

The following documents apply to this product:

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

Takara Bio USA, Inc.

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

United States/Canada 800.662.2566 (010220)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
--	---------------------------------	------------------------------	-----------------------------

Certificate of Analysis

Cat. No. R400406

ThruPLEX DNA-seq 48D Kit

Quality Control Data

These components have been functionally validated with 200 pg of Covaris-sheared DNA to produce indexed libraries that have been amplified and quantified by real-time PCR followed by sequencing on the Illumina sequencing platform.

Quality Control Testing	
Test Parameter	Result
Estimated library size	Pass
% mapped reads	Pass
% mismatch rate	Pass

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

ThruPLEX® DNA-seq 48D Kit

CATALOG NO.

R400406

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.

STATEMENT 326

This product is protected by U.S. Patents 7,803,550; 8,399,199; 8,728,737, 9,598,727, 10,196,686, 10,208,337 and corresponding foreign patents. Additional patents are pending. For further license information, please contact a Takara Bio USA licensing representative by email at licensing@takarabio.com.

TRADEMARKS:

©2014 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: techUS@takarabio.com

United States/Canada

Asia Pacific

Europe

Japan

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

+81.(0)77.565.6999

1/2/2020