

ThruPLEX® DNA-Seq Kit

Catalog Nos.	Amount	Lot Number
R400674	24 rxns	Specified on product label
R400675	48 rxns	Specified on product label
R400676	96 rxns	Specified on product label

Description

The ThruPLEX DNA-Seq Kit builds on the innovative ThruPLEX chemistry to generate DNA libraries from as little as 50 pg of DNA and increases sensitivity while providing up to 96 indexes for multiplexing. This kit can be used with fragmented double-stranded DNA from any sample source—genomic DNA, biofluids such as cell-free DNA, DNA from FFPE materials, and cDNA. The entire ThruPLEX DNA-Seq Kit workflow is performed in a single tube or well in about 2 hours and requires no purification steps or sample transfers. The ThruPLEX DNA-Seq Kit can be used in any DNA-Seq application, RNA-Seq, or ChIP-Seq and offers robust target enrichment performance with all of the leading platforms.

Package Contents

<u>R400674</u> (24 rxns)	<u>R400675</u> (48 rxns)	<u>R400676</u> (96 rxns)	Item name
50 µl	105 µl	205 µl	Template Preparation D Buffer
25 µl	50 µl	105 µl	Template Preparation D Enzyme
25 µl	50 µl	105 µl	Library Synthesis D Buffer
25 µl	50 µl	105 µl	Library Synthesis D Enzyme
630 µl	1,260 µl	2 x 1,275 µl	Library Amplification D Buffer
25 µl	50 µl	105 µl	Library Amplification Enzyme
500 µl	500 µl	1,000 µl	Nuclease-Free Water

Storage Conditions

- Store at –20°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

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

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. R400674, R400675 & R400676

ThruPLEX DNA-Seq 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
% mapped reads	X ≥98.59%
% mismatch rate	X ≤1.0%

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.

STATEMENT M54

This product is covered by the claims of U.S. Patent Nos. 7,704,713 and its foreign counterparts.

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, 11,072,823 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.

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