

ThruPLEX® Plasma-seq 12S Kit

Catalog No.
R400490

Amount
12 rxns

Lot Number
Specified on product label.

Description

The ThruPLEX Plasma-seq 12S Kit builds on the innovative ThruPLEX chemistry to generate and multiplex high-complexity DNA libraries from cell-free DNA isolated from plasma. Only 1 ng to 30 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. This product contains reagents for 12 reactions with 12 single-index primer sets.

Package Contents

- 48 µl Template Preparation Buffer
- 12 µl Template Preparation Enzyme
- 30 µl Library Synthesis Buffer
- 30 µl Library Synthesis Enzyme
- 300 µl Library Amplification Buffer
- 12 µl Library Amplification Enzyme
- 384 µl Nuclease-Free Water
- Indexing Reagent 1
- Indexing Reagent 2
- Indexing Reagent 3
- Indexing Reagent 4
- Indexing Reagent 5
- Indexing Reagent 6
- Indexing Reagent 7
- Indexing Reagent 8
- Indexing Reagent 9
- Indexing Reagent 10
- Indexing Reagent 11
- Indexing Reagent 12

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: 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. R400490

ThruPLEX Plasma-seq 12S Kit

Product Documents

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

The following documents apply to this product:

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

Quality Control Data

These components have been functionally validated through library construction (using 5 ng of purified cell-free DNA isolated from human plasma and a no-template control), real-time amplification analysis, and sequencing of the pooled libraries on the Illumina Sequencing Platform.

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

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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.

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

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