

Certificate of Analysis

PicoPLEX® DNA-seq Kit

Catalog No.
R300381

Amount
48 rxns

Lot Number
Specified on product label.

Description

The PicoPLEX DNA-seq Kit is used for WGA applications such as single cell DNA-seq library preparation and detection of copy number variation (CNV), aneuploidy, microdeletion, and microduplication. This kit includes everything necessary to convert 48 individual cells or DNA (6–60 pg) to NGS libraries, including barcodes. Barcoding oligonucleotides are provided in a single-use microwell plate.

Package Contents

- 250 µl Cell Extraction Buffer
- 240 µl Extraction Enzyme Dilution Buffer
- 10 µl Cell Extraction Enzyme
- 230.4 µl Pre-Amp Buffer
- 9.6 µl Pre-Amp Enzyme
- 1,200 µl Amplification Buffer
- 24 µl Amplification Enzyme
- 1,176 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:

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

Takara Bio USA, Inc.

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Quality Control Data

These components have been functionally validated with 15 pg of human genomic DNA to produce indexed libraries that have been sequenced on the Illumina® sequencing platform.

Quality Control Testing	
Test Parameter	Result
Sequencing % of unmapped reads	<10%
Sequencing % of duplicates	<5%
Sequencing % of reads between 25–70% GC	>90%

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 328

This product is protected by U.S. Patents 8,206,913 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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