

## PrepX™ DNA Library Kit

**Catalog No.**  
640101

**Amount**  
24 samples

**Lot Number**  
Specified on product label.

### Description

The PrepX DNA Library Kit provides optimized and prealiquoted chemistry to generate DNA libraries from genomic DNA on the Apollo™ system. The color-coded, single-use reagents in PrepX kits enable users to flexibly accommodate low and high sample throughputs. Combining the PrepX DNA Library Kit with the Apollo system simplifies the NGS library prep workflow, decreases manual variation and hands-on time, and increases reproducibility with the reliability of automation.

### Package Contents

#### Package 1:

- 1 vial PrepX PCR MasterMix (700 µl)
- 3 vials PrepX Complete Ligase Enzyme (15 µl per vial)
- 24 strips PrepX Complete Intermediate Enzyme, yellow strips
- 1 vial PrepX DNA Ligase Buffer (350 µl)

#### Package 2:

- 1 bottle PrepX Molecular Grade Water (100 ml)
- 1 bottle PrepX 2.5M NaCl (10 ml)
- 1 bottle PrepX Cleanup Beads (6.8 ml)

### Storage Conditions

#### Package 1:

- Store at -20°C

#### Package 2:

- Store at 4°C

### Expiration Date

- Specified on product label

### Shipping Conditions

#### Package 1:

- Dry ice (-70°C)

#### Package 2:

- Blue ice (4°C)

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#### Takara Bio USA, Inc.

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# Certificate of Analysis

Cat. No. 640101

PrepX DNA Library Kit

## Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- PrepX DNA Library Kit, 24 Samples Protocol-At-A-Glance
- PrepX PCR Cleanup 8 Protocol-At-A-Glance
- PrepX PCR Cleanup 32 Protocol-At-A-Glance
- PrepX PCR Cleanup 48 Protocol-At-A-Glance

## Quality Control Data

A sample kit from each lot was functionally validated as follows: 100 ng of sheared *E. coli* DNA was converted to an Illumina®-ready DNA sequencing library on the Apollo system, using the PrepX ILM 8 script's 220-bp insert size option, as described in the PrepX DNA Library Kit, 24 Samples Protocol-At-A-Glance. 1 µl of a 1:5 dilution of the purified libraries was analyzed with an Agilent 2100 Bioanalyzer and a High Sensitivity DNA Kit (Agilent, Cat. No. 5067-4626). The Bioanalyzer electropherogram showed a distribution of DNA from 200 bp to 600 bp. Smear analysis using the Bioanalyzer software was performed to determine the percentage of PCR product within three regions using the Agilent 2100 software: 100–200 bp, 200–600 bp, and 1,000–3,000 bp. Total DNA yield and final DNA concentration were determined using the Bioanalyzer software.

Quality Control Testing	
Test parameter	Result
% product within 200–600 bp $\geq$ 90%	Pass
% product within 100–200 bp $\leq$ 5%	Pass
% product within 1,000–3,000 bp $\leq$ 5%	Pass
Total product yield $\geq$ 10 ng	Pass
Total concentration of product $\geq$ 4nM	Pass

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

## PrepX™ DNA Library Kit (400075)

### CATALOG NO.

640101

### 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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