

PrepX™ DNA Library Kit

Catalog No.
640102

Amount
96 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:

- 4 vials PrepX PCR Master Mix (700 µl per vial)
- 3 vials PrepX Complete 32i Ligase Enzyme (45 µl per vial)
- 24 strips PrepX Intermediate Kit, 32i Enzymes Strips Complete, Orange Strips
- 3 vials PrepX DNA 32i Ligase Buffer (450 µl per vial)

Package 2:

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

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)

Takara Bio USA, Inc.

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Product Documents

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

The following documents apply to this product:

- PrepX DNA Library Kit, 96 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, 96 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 ≥ 10 ng	Pass
Total concentration of product ≥ 4 nM	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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