

Low Input Library Prep Kit v2

Catalog No.	Amount	Lot Number
634899	12 rxns	Specified on product label.

Description

The Low Input Library Prep Kit v2 provides a highly sensitive, simple, fast, and robust method to generate multiplexed libraries suitable for next-generation sequencing on Illumina® systems from up to 12 samples of fragmented double-stranded DNA (dsDNA), such as the cDNA produced using the SMARTer® Universal Low Input RNA Kit for Sequencing, or one of the SMARTer or SMART-Seq® Ultra® Low kits. The single indexes included in this kit are Illumina-compatible, 8-nt sequences developed by the Wellcome Trust Sanger Institute in Cambridge, UK. Indexes share the same sequences in the first six bases as the Illumina TruSeq® LT.

Package Contents

- 24 µl Template Preparation Buffer (Red Cap)
- 12 µl Template Preparation Enzyme (Red Cap)
- 12 µl Library Synthesis Buffer (Yellow Cap)
- 12 µl Library Synthesis Enzyme (Yellow Cap)
- 300 µl Library Amplification Buffer (Green Cap)
- 12 µl Library Amplification Enzyme (Green Cap)
- 48 µl Nuclease-Free Water (Clear Cap)
- 40 µl Indexing Reagent 1 (Blue Cap)
- 40 µl Indexing Reagent 2 (Blue Cap)
- 40 µl Indexing Reagent 3 (Blue Cap)
- 40 µl Indexing Reagent 4 (Blue Cap)
- 40 µl Indexing Reagent 5 (Blue Cap)
- 40 µl Indexing Reagent 6 (Blue Cap)
- 40 µl Indexing Reagent 7 (Blue Cap)
- 40 µl Indexing Reagent 8 (Blue Cap)
- 40 µl Indexing Reagent 9 (Blue Cap)
- 40 µl Indexing Reagent 10 (Blue Cap)
- 40 µl Indexing Reagent 11 (Blue Cap)
- 40 µl Indexing Reagent 12 (Blue Cap)

Storage Conditions

- Store at -20°C

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Takara Bio USA, Inc.

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Shipping Conditions

- Dry ice (-70°C)

Product Documents

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

The following documents apply to this product:

- Low Input Library Prep Kit v2 User Manual

Quality Control Data

Quality control data were generated by sequencing of pooled (12 index) Covaris-sheared amplified libraries on the Illumina MiSeq® system and analyzing the data from DNAnexus. Estimated library size was $>4.83 \times 10^7$, with $>95\%$ of reads mapped to the human reference (hg19) and a $<0.5\%$ mismatch rate.

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 purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. 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 prior written approval of Takara Bio USA, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below 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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The Low Input Library Prep Kit contains ThruPLEX® technology developed and manufactured by Rubicon Genomics, Inc., Ann Arbor, Michigan, USA and protected by US Patent 7,803,550 and others.

TRADEMARKS:

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11/4/2016