

## Low Input Library Prep Kit

**Catalog No(s).**

634947

**Amount**

12 rxns

**Lot Number**

Specified on product label.

### Description

The Low Input Library Prep Kit 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 the SMARTer Ultra® Low RNA Kit for Illumina Sequencing. These multiplexed libraries are suitable templates for cluster generation, as well as high-throughput DNA sequencing.

### Package Contents

- 24 µl Template Preparation Buffer
- 12 µl Template Preparation Enzyme
- 12 µl Library Synthesis Buffer
- 12 µl Library Synthesis Enzyme
- 582 µl Library Amplification Buffer
- 18 µl Library Amplification Enzyme
- 96 µl Nuclease-Free Water
- 24 µl Indexing Reagent 1
- 24 µl Indexing Reagent 2
- 24 µl Indexing Reagent 3
- 24 µl Indexing Reagent 4
- 24 µl Indexing Reagent 5
- 24 µl Indexing Reagent 6
- 24 µl Indexing Reagent 7
- 24 µl Indexing Reagent 8
- 24 µl Indexing Reagent 9
- 24 µl Indexing Reagent 10
- 24 µl Indexing Reagent 11
- 24 µl Indexing Reagent 12

### Storage Conditions

- Store at –20°C

### Shelf Life

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

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**Clontech Laboratories, Inc.**

A Takara Bio Company

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## Shipping Conditions

- Dry ice (-70°C)

## Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- Low Input Library Prep Kit 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 analysing the data from DNAnexus. >90% of reads were between 25% and 70% GC and >90% of reads mapped to human reference (hg19).

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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 Clontech Laboratories, 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.clontech.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### STATEMENT 238

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.

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