

SMARTer® Universal Low Input RNA Library Prep Kit

Catalog No(s).	Amount
634945	10 rxns
634946	25 rxns

Description

The SMARTer Universal Low Input RNA Library Prep Kit includes the components needed to synthesize high-quality cDNA from as little as 200 pg of RNA (SMARTer Universal Low Input RNA Kit Components; Cat. Nos. 634939 and 634941); the Advantage® 2 PCR Kit for cDNA synthesis with exceptionally high yields and sensitivity (Cat. No. 639207); and the Low Input Library Prep Kit v2 (Cat. No. 634899) to convert the resulting cDNA into multiplexed libraries suitable for next-generation sequencing on Illumina® systems.

The SMARTer Universal Low Input RNA Library Prep Kit utilizes both SMART® technology and random priming, and has been designed and validated to prepare cDNA libraries from compromised samples for sequencing and quantification with next-generation sequencing platforms. While SMART technology offers unparalleled sensitivity and unbiased amplification of cDNA transcripts, random (universal) priming allows for amplification of damaged RNA and maintains the true representation of the original mRNA transcripts. Both of these factors are critical for transcriptome sequencing and gene expression analysis.

Package Contents

Cat. No. 634945 (10 rxns):

- SMARTer Universal Low Input RNA Kit for Sequencing (Cat. No. 634938; 10 rxns) >> [View Components](#)
- Low Input Library Prep Kit v2 (Cat. No. 634899; 12 rxns) >> [View Components](#)

Cat. No. 634946 (25 rxns):

- SMARTer Universal Low Input RNA Kit for Sequencing (Cat. No. 634940; 25 rxns) >> [View Components](#)
- 2 x Low Input Library Prep Kit v2 (Cat. No. 634899; 2 x 12 rxns) >> [View Components](#)

Product Documents

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

The following documents apply to this product:

- SMARTer Universal Low Input RNA Kit for Sequencing User Manual
- Advantage 2 PCR Enzyme System User Manual (PT3281-1)
- Advantage 2 PCR Kit Protocol-at-a-Glance (PT3281-2)
- Low Input Library Prep Kit v2 User Manual

Clontech Laboratories, Inc.

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Product Components List

Cat. Nos. 634945 & 634946

SMARTer® Universal Low Input RNA Library Prep Kit

Notice to Purchaser



The SMARTer® Universal Low Input RNA Library Prep Kit contains ThruPLEX-FD technology developed and manufactured by Rubicon Genomics Inc., Ann Arbor, Michigan, USA and protected by US Patent 7,803,550; EP1924704; and US and international patents pending.

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This document has been reviewed and approved by the Clontech Quality Assurance Department.