

SMART-Seq® v4 Ultra® Low Input RNA Kit for Sequencing

Catalog Nos.	Amount
634888	12 rxns
634889	24 rxns
634890	48 rxns
634891	96 rxns
634892	192 rxns
634893	480 rxns
634894	960 rxns

Description

The SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing is the fourth generation of SMARTer® Ultra Low products and generates high-quality cDNA from ultra-low amounts of total RNA, or directly from 1–1,000 intact cells. This kit can accommodate an input volume of 10 µl and is regularly tested with 10 pg of total RNA. It also performs robust cDNA synthesis from a single cell (equivalent to 10 pg of total RNA), generating data with the highest sensitivity compared to previous generations. This kit incorporates locked nucleic acid (LNA) technology and improves on the SMART-Seq2 method. cDNA libraries generated by this kit have been tested for compatibility with Ion Torrent and Illumina® sequencing platforms. SMART® technology offers unparalleled sensitivity and unbiased amplification of cDNA transcripts. Most importantly, SMART technology enriches for full-length transcripts and maintains the true representation of mRNA transcripts from the original sample. These factors are critical for transcriptome sequencing and gene expression analysis.

Package Contents:

634888 (12 rxns):

- SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634895; Not sold separately) [>>View Components](#)
- SeqAmp™ DNA Polymerase (Cat. No. 638504) [>>View Components](#)

634889 (24 rxns):

- SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634896; Not sold separately) [>>View Components](#)
- SeqAmp DNA Polymerase (Cat. No. 638504) [>>View Components](#)

634890 (48 rxns):

- SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634897; Not sold separately) [>>View Components](#)
- 2 x SeqAmp DNA Polymerase (Cat. No. 638504) [>>View Components](#)

Clontech Laboratories, Inc.

A Takara Bio Company

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Product Components List

Cat. Nos. 634888, 634889, 634890, 634891, 634892, 634893, 634894

SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing

634891 (96 rxns):

- SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634898; Not sold separately) [>>View Components](#)
- SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

634892 (192 rxns):

- 2 x SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634898; Not sold separately) [>>View Components](#)
- 2 x SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

634893 (480 rxns):

- 5 x SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634898; Not sold separately) [>>View Components](#)
- 3 x SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

634894 (960 rxns):

- 10 x SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing Components (Cat. No. 634898; Not sold separately) [>>View Components](#)
- 6 x SeqAmp DNA Polymerase (Cat. No. 638509) [>>View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Product Documents

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

The following documents apply to this product:

- SMART-Seq v4 Ultra Low Input RNA Kit for Sequencing User Manual
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This document has been reviewed and approved by the Clontech Quality Assurance Department.