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 Universal low-input total RNA-seq for Illumina or Ion Torrent

## SMARTer Universal Low Input RNA Kit—cDNA synthesis for NGS from degraded samples

The SMARTer Universal Low Input RNA Kit for Sequencing provides a simple and efficient solution for generating cDNA from very low amounts of input RNA that is compromised, has a low RIN value, and/or lacks a poly(A) tail. The kit was specifically designed for RNA-seq applications involving FFPE or laser-captured samples, and works with as little as 200 pg of rRNA-depleted material (derived from 2–100 ng of total RNA). It outperforms existing methods in terms of gene-body coverage, data reproducibility, read mappability, and ERCC correlation.

▼ More

Cat. #	Product	Size	Price	License	Quantity	Details
634900	Low Input Library Prep Kit HT	96 Rxns	\$5280.00		<input type="text"/>	<a href="#">↑</a>
634940	SMARTer® Universal Low Input RNA Kit for Sequencing	25 Rxns	\$2250.00		<input type="text"/>	<a href="#">↑</a>
634938	SMARTer® Universal Low Input RNA Kit for Sequencing	10 Rxns	\$1050.00		<input type="text"/>	<a href="#">↑</a>
634946	SMARTer® Universal Low Input RNA Library Prep Kit	25 Rxns	\$4000.00		<input type="text"/>	<a href="#">↑</a>
634945	SMARTer® Universal Low Input RNA Library Prep Kit	10 Rxns	\$1800.00		<input type="text"/>	<a href="#">↑</a>

Add to Cart

### Overview

- Sensitivity for analysis of low-input samples—works with as little as 200 pg of rRNA-depleted input RNA (derived from 2–100 ng of total RNA)
- Efficient results from compromised samples—an ideal solution for FFPE samples
- RNA-seq data quality—consistent RNA-seq data across the recommended input range (200 pg–10 ng)
  - Mappability >80%
  - Reproducibility >0.98
  - ERCC correlation >0.99
  - Number of genes >15,000
- Complete kit includes RT and PCR enzymes
- Use the table below to choose the right kit:



Kit	Application
SMARTer Universal Low Input RNA Kit for Sequencing (Cat. # 634938, 634940)	cDNA synthesis
SMARTer Universal Low Input RNA Library Prep Kit (Cat. # 634945, 634946)	cDNA synthesis and NGS library construction

Interested in more data and FAQs about this product? Visit the [NGS Learning Center](#).

## More Information

### Applications

- Generate cDNA for RNA-seq from very low amounts of total RNA (2–10 ng) that:
  - Is compromised (e.g., obtained from FFPE or LCM samples)
  - Has low RIN values (<8)
  - Is not polyadenylated

### Additional product information

Please see the product's Certificate of Analysis for information about storage conditions, product components, and technical specifications. Please see the Kit Components List to determine kit components. Certificates of Analysis and Kit Components Lists are located under the Documents tab.

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