

## SMART-Seq® Total RNA Pico Input with UMIs (ZapR® Mammalian)

Catalog Nos.	Amount
634354	24 rxns
634355	96 rxns
634356	4 x 96 rxns

### Description

SMART-Seq Total RNA Pico Input with UMIs (ZapR Mammalian) is used to generate strand-specific RNA-seq libraries for Illumina® sequencing from 10–1,000 cells or 250 pg–10 ng inputs of purified total RNA. This kit incorporates Takara Bio's proprietary SMART® (Switching Mechanism at the 5' end of RNA Template) technology and includes refinements to the SMARTer® method for stranded RNA-seq that simplify the library preparation workflow and improve sequencing performance.

The kit was specifically designed to deliver highly sensitive and reproducible data from low-input RNA while keeping the workflow short and user-friendly. The incorporated UMIs (unique molecule identifiers) help customers perform UMI-based corrections post-sequencing to obtain more reliable results. The kit does not require additional rRNA removal methods and produces sequencing libraries that retain strand-of-origin information. The integrated removal of cDNAs derived from rRNA—typically present in high abundance following cDNA synthesis from total RNA inputs—makes the workflow extremely sensitive, yielding data that is highly reproducible with low mapping to rRNA.

### Package Contents:

#### 634354 (24 rxns):

- SMART-Seq Total RNA Pico Input with UMIs (Cat. No. 634363; Not sold separately) [>>View Components](#)
- ZapR Mammalian rRNA Depletion Kit (Cat No. 634369; Not sold separately) [>>View Components](#)

#### 634355 (96 rxns):

- SMART-Seq Total RNA Pico Input with UMIs (Cat. No. 634364; Not sold separately) [>>View Components](#)
- ZapR Mammalian rRNA Depletion Kit (Cat No. 634370; Not sold separately) [>>View Components](#)

#### 634356 (4 x 96 rxns):

- 4 x SMART-Seq Total RNA Pico Input with UMIs (Cat. No. 634364; Not sold separately) [>>View Components](#)
- 4 x ZapR Mammalian rRNA Depletion Kit (Cat No. 634370; Not sold separately) [>>View Components](#)

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

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- SMART-Seq Total RNA Pico Input with UMIs (ZapR Mammalian) User Manual
- Unique Dual Index Kits Protocol-At-A-Glance

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#### Takara Bio USA, Inc.

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# Product Components List

Cat. Nos. 634354, 634355 & 634356

SMART-Seq Total RNA Pico Input with UMIs (ZapR Mammalian)

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