

## SMART-Seq® Total RNA Single Cell (ZapR® Mammalian)

Catalog Nos.	Amount
634360	24 rxns
634361	96 rxns
634362	4 x 96 rxns

### Description

SMART-Seq Total RNA Single Cell (ZapR Mammalian) is used to generate strand-specific RNA-seq libraries for Illumina® sequencing from 1–1,000 cells or 10 pg–10 ng 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.

This method was developed to be compatible with total RNA of various RINs while keeping the workflow short and user-friendly. 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 highly reproducible data with low mapping to rRNA.

### Package Contents:

#### 634360 (24 rxns):

- SMART-Seq Total RNA Single Cell (Cat. No. 634367; Not sold separately) >>[View Components](#)
- ZapR Mammalian rRNA Depletion Kit (Cat No. 634369; Not sold separately) >>[View Components](#)

#### 634361 (96 rxns):

- SMART-Seq Total RNA Single Cell (Cat. No. 634368; Not sold separately) >>[View Components](#)
- ZapR Mammalian rRNA Depletion Kit (Cat No. 634370; Not sold separately) >>[View Components](#)

#### 634362 (4 x 96 rxns):

- 4 x SMART-Seq Total RNA Single Cell (Cat. No. 634368; 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 Single Cell (ZapR Mammalian) User Manual
- Unique Dual Index Kits Protocol-At-A-Glance

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#### Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: [technical\\_support@takarabio.com](mailto:technical_support@takarabio.com)

United States/Canada 800.662.2566 (021925)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
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# Product Components List

Cat. Nos. 634360, 634361 & 634362

SMART-Seq Total RNA Single Cell (ZapR Mammalian)

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## Notice to Purchaser

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