

Product Components List

SMART-Seq® Mouse BCR (with UMIs)

Catalog No.

634351

Amount

4 x 96 rxns

Description

SMART-Seq Mouse BCR (with UMIs) enables users to analyze mouse B-cell receptor (BCR) diversity from RNA input samples. The kit is designed to work with a range of RNA input amounts depending on the sample type and has been shown to generate high-quality libraries from as little as 10 ng–1 µg of total RNA obtained from spleen, bone marrow, whole blood, and peripheral blood mononuclear cells (PBMCs).

The kit leverages SMART® (Switching Mechanism at 5' end of RNA Template) technology and employs a 5' RACE-like approach to capture complete V(D)J variable regions of BCR transcripts. Included in the kit are primers that incorporate Illumina®-specific adaptor sequences during cDNA amplification. The workflow incorporates unique molecular identifiers (UMIs), providing greater accuracy for clonotype identification and quantification during data analysis. Using the Unique Dual Index kits (Cat. Nos. 634752–634756, sold separately), the protocol can generate up to 384 multiplexed libraries that are ready for sequencing on any Illumina platform.

Package Contents

- 4 x SMART-Seq Mouse BCR (with UMIs) (Cat. No. 634353) >> [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

The following documents apply to this product:

- SMART-Seq Mouse BCR (with UMIs) User Manual
- Unique Dual Index Kits Protocol-At-A-Glance

Notice to Purchaser

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

Takara Bio USA, Inc.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.comUnited States/Canada
800.662.2566
(111323)Asia Pacific
+1.650.919.7300Europe
+33.(0)1.3904.6880Japan
+81.(0)77.565.6999