

## DNA SMART™ ChIP-Seq Components

Catalog Nos.	Amount	Lot Number
634868 (Not sold separately; sold as a part of 634865)	12 rxns	Specified on product label.
634872 (Not sold separately; sold as a part of 634866 & 634867)	48 rxns	Specified on product label.

### Description

These components are a part of the DNA SMART ChIP-Seq Kit. This kit utilizes our DNA SMART technology to generate Illumina®-compatible sequencing libraries from double-stranded or single-stranded DNA. Libraries are generated without additional enzymatic cleanup or adapter ligation steps. The DNA SMART ChIP-Seq Kit preserves excellent library complexity from as little as 500 pg of template in a convenient single-tube format.

### Package Contents

#### Package 1:

<u>634868</u> (12 rxns)	<u>634872</u> (48 rxns)	
72 µl	288 µl	DNA SMART Oligonucleotide Mix*

#### Package 2:

<u>634868</u> (12 rxns)	<u>634872</u> (48 rxns)	
9 µl	36 µl	Shrimp Alkaline Phosphatase (1 U/µl)
12 µl	48 µl	Terminal Deoxynucleotidyl Transferase
48 µl	192 µl	SMARTScribe™ Reverse Transcriptase (100 U/µl)
111 µl	444 µl	DNA SMART Buffer
12 µl	48 µl	DNA SMART T-Tailing Mix
24 µl	96 µl	DNA SMART Poly(dA) Primer*
1 ml	2 x 1 ml	DNA Dilution Buffer (5 mM)
10 µl	10 µl	Control Fragmented Human gDNA (5 ng/µl)
40 µl	120 µl	DNA SMART Custom Read2 Seq Primer (100 µM)
500 µl	2 x 1 ml	Library Elution Buffer

\* Proprietary sequences

### Storage Conditions

- Store DNA SMART Oligonucleotide Mix at -70°C
- Store all other reagents at -20°C

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

#### Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA  
 U.S. Technical Support: [techUS@takarabio.com](mailto:techUS@takarabio.com)

United States/Canada 800.662.2566 (021317)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
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# Certificate of Analysis

Cat. Nos. 634868 and 634872

DNA SMART ChIP-Seq Components (Not sold separately)

Sold as a part of 634865 and 634866 & 634867

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## Shipping Conditions

- Dry ice (−70°C)

## 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:

- DNA SMART ChIP-Seq Kit User Manual

## Quality Control Data

A sample kit from each lot was tested as follows: 1 ng of Control Fragmented Human gDNA (fragments ranging from 75 bp to 900 bp) was first subjected to the DNA SMART assay as described in the DNA SMART ChIP-Seq Kit User Manual, and then amplified using 14 cycles of PCR with the SeqAmp™ DNA Polymerase. PCR products were purified with Agencourt AMPure XP beads as described in Option 4 of the DNA SMART ChIP-Seq Kit User Manual, and resuspended in 20 µl of Library Elution Buffer. Purified libraries were quantified using the Qubit 2.0 Fluorometer (Life Technologies) with a dsDNA HS Assay Kit, resulting in an output of at least 6 ng/µl. Libraries were diluted to 1.5 ng/µl, and 1 µl of the dilution was analyzed with an Agilent Bioanalyzer and High Sensitivity DNA Kit (Agilent, Cat. No. 5067-4626). The Bioanalyzer electropherogram showed a broad distribution from 175 bp to about 900 bp with a peak in the 275–375 bp range.

## Quality Control Data for the DNA SMART Custom Read2 Seq Primer:

Each oligo lot was PAGE-purified and verified by ESI analysis to contain a major peak with a measured molecular weight within 10 Da of the predicted molecular weight.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

## DNA SMART™ ChIP-Seq Components

### CATALOG NOS.

634868, 634872

### NOTICE TO PURCHASER:

Our products are to be used for research purposes only. They may not be used for any other purpose, including, but not limited to, use in drugs, in vitro diagnostic purposes, therapeutics, or in humans. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of Takara Bio USA, Inc.

Your use of this product is also subject to compliance with the licensing requirements listed below and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

### STATEMENT 270

This product is covered by U.S. Patent No. 9,410,173 and other pending patent applications in the United States and foreign jurisdictions. For further information, please contact a Takara Bio USA, Inc. licensing representative by e-mail at [licensing@takarabio.com](mailto:licensing@takarabio.com).

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U.S. Technical Support: [techUS@takarabio.com](mailto:techUS@takarabio.com)

**United States/Canada**

**Asia Pacific**

**Europe**

**Japan**

800.662.2566

+1.650.919.7300

+33.(0)1.3904.6880

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