

EpiXplore™ Meth-Seq DNA Enrichment Components

Catalog No.	Amount	Lot Number
635024 (Not sold separately) Sold as a part of 635023	12 rxns	Specified on product label.

Description

These components are a part of the EpiXplore Methylated DNA Enrichment Kit. The full kit enriches for the methylated fraction of DNA, and utilizes our DNA SMART™ technology to generate Illumina®-compatible sequencing libraries from the enriched DNA without additional enzymatic clean-up or adapter ligation steps. The EpiXplore Methylated DNA Enrichment Kit preserves excellent library complexity from as little as 25 ng of double-stranded template DNA in a convenient single-tube format.

Package Contents

Package 1:

2.4 ml	xTractor™ Buffer
600 µl	Unmethylated DNA Elution Buffer
12 rxns	Capture™ Nanoprep Columns

Package 2:

150 µl	4X Incubation Buffer
1.2 ml	Methylated DNA Elution Buffer

Package 3:

120 µl	MBD2 Protein (1 mg/ml)
50 µl	Unmethylated Control DNA (1 ng/µl)
50 µl	Methylated Control DNA (1 ng/µl)
1 ml	Nuclease-Free Water

Storage Conditions

- Store Package 1 at room temperature.
- Store Package 2 at 4°C.
- Store Package 3 at –20°C.

Shelf Life

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

Shipping Conditions

- Package 1 ships at room temperature.
- Package 2 ships on blue ice (4°C).
- Package 3 ships on dry ice (–70°C).

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 635024

EpiXplore Meth-Seq DNA Enrichment Kit (Not sold separately)

Sold as a part of 635023

Product Documents

Documents for our products are available for download at www.clontech.com/manuals

The following documents apply to this product:

- EpiXplore Meth-Seq DNA Enrichment Kit User Manual

Quality Control Data

A sample kit from each lot was tested as follows: 25 ng of the Unmethylated Control DNA and 25 ng of the Methylated Control DNA was subjected to the enrichment portion of the EpiXplore Meth-Seq DNA Enrichment assay as described in the EpiXplore Meth-Seq DNA Enrichment Kit User Manual. The outputs were quantified using the Qubit 2.0 Fluorometer (Life Technologies) with an HS dsDNA Assay Kit. A minimum output of 50% of the input was required in the methylated fraction of the Methylated Control DNA input, and in the unmethylated fraction of the Unmethylated Control DNA input. The yield of the unmethylated fraction for the Methylated Control DNA and the methylated fraction of the Unmethylated Control DNA was required to be <20% of the input DNA.

Quality Control Data for the Methylated and Unmethylated Control DNA:

Each DNA Control 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.

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CATALOG NO.

635024

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 347

This product is protected by U.S. Patent 9,895,665 and/or additional U.S. and foreign patents pending. For further license information, please contact a Takara Bio USA licensing representative by email at licensing@takarabio.com.

STATEMENT 273

This product is covered by U.S. Patent No. 9459188 and/or pending U.S. Patent Application 15/251,628, exclusively licensed to Takara Bio USA, Inc.

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