

EpiXplore™ Methylated DNA Enrichment Kit

Catalog No.	Amount	Lot Number
631963	10 rxns	Specified on product label.

Description

The EpiXplore Methylated DNA Enrichment Kit provides a simple magnetic bead-based method for enriching and fractionating hypo- and hypermethylated DNA fragments from the whole genome. Enrichment leads to superior results in downstream applications that enhance the broader understanding of gene regulation, such as mapping methylation sites, by reducing background during sequencing.

Package Contents

Package 1

- 6 ml 4X Binding/Wash Buffer
- 1 ml TALON® Magnetic Beads
- 5 ml Elution Buffer (Low)
- 5 ml Elution Buffer (Middle)
- 5 ml Elution Buffer (High)
- 300 µl Dr. GenTLE Precipitation Carrier

Package 2

- 100 µl MBD2 Protein (1 mg/ml)
- 20 µl Labeled Non-Methylated DNA Duplex (1 µM) (Control)
- 20 µl Labeled Methylated DNA Duplex (1 µM) (Control)

Storage Conditions

- Package 1: Store at 4°C.
- Package 2: Store at -20°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Package 1: Blue ice
- Package 2: Dry ice

Product Documents

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

The following documents apply to this product:

- EpiXplore Methylated DNA Enrichment Kit Protocol-at-a-Glance

Takara Bio USA, Inc.

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Quality Control Data

Three enrichment experiments were performed according to the EpiXplore Methylated DNA Enrichment Kit Protocol-at-a-Glance, using the Labeled DNA Duplex controls at 50 nM each.

- Methylated DNA enrichment efficiency was determined to be $\geq 70\%$ by comparing the fluorescence of each wash and elution fraction.
- DNA integrity was determined by PAGE. The size of the DNA fragments was the same before and after enrichment.

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

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NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. 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 our prior written approval.

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