EPIGENTEK
Complete Solutions for Epigenetics

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Complete Solutions for

m6A RNA Methylation

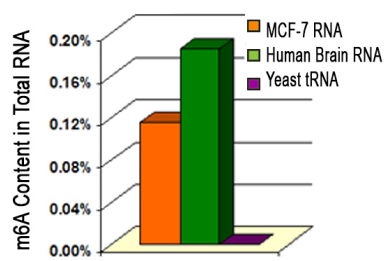


WHAT YOUR PEERS ARE SAYING

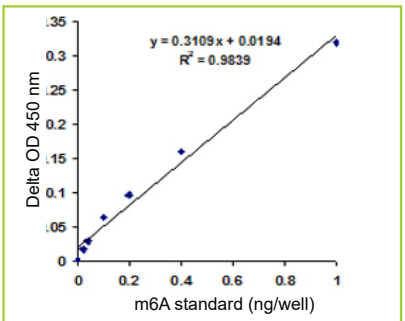
★★★★★
"This is our go-to kit (#P-9005). The instructions are easy to follow, the results are reproducible, and it is a quality product of good value."

★★★★★
"The protocol was easy to follow and the results were consistent."

★★★★★
"The delivery was quick and the rep was very friendly and responded quickly."



Quantification of m6A RNA methylation in different samples. 200 ng of RNA isolated from different tissues or cells were added into the assay wells and the m6A contained in RNA was measured using the **m6A RNA Methylation Quantification Kit (#P-9005)**.



m6A standard control was added into the assay wells at different concentrations and measured with the **m6A RNA Methylation Quantification Kit (#P-9005)**.

m6A RNA Methylation

Explore m6A RNA modifications, a reversible and highly dynamic eukaryotic RNA modification that plays significant biological roles comparable to DNA methylation and histone modifications.

EpiQuik m6A RNA Methylation Quantification Kits
ELISA-based m6A quantitation from 100 ng of RNA in under 4 hours
Also available for DNA (#P-9010)

MethylFlash Urine N6-methyladenosine (m6A) Quantification Kit
ELISA-based m6A quantitation from 1 µl of urine in under 4 hours

Epigenase m6A Demethylase Activity/Inhibition Assay Kit
ELISA-based quantitation of total m6A demethylase activity or inhibition from 2 µg nuclear extracts or 20 ng purified enzymes

Epigenase m6A Methylase Activity/Inhibition Assay Kit
ELISA-based quantitation of total m6A methylase activity or inhibition from 2 µg nuclear extracts or 20 ng of purified m6A methylases

Product Name	Size	Cat. No.
EpiQuik m6A RNA Methylation Quantification Kit (Colorimetric)	48 reactions 96 reactions	P-9005-48 P-9005-96
EpiQuik m6A RNA Methylation Quantification Kit (Fluorometric)	48 reactions 96 reactions	P-9008-48 P-9008-96
MethylFlash Urine N6-methyladenosine (m6A) Quantification Kit (Colorimetric)	48 reactions 96 reactions	P-9015-48 P-9015-96
Epigenase m6A Demethylase Activity/Inhibition Assay Kit (Colorimetric)	48 reactions 96 reactions	P-9013-48 P-9013-96
Epigenase m6A Methylase Activity/Inhibition Assay Kit (Colorimetric)	48 reactions 96 reactions	P-9019-48 P-9019-96

100% Satisfaction Guarantee
All EpigenTek products are covered by our 6-month money back guarantee

Learn more at: epigentek.com/RNAmethylation

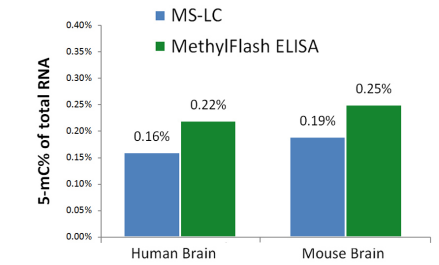
5-mC RNA Methylation

Study the occurrence of 5-methylcytosine (5-mC) in RNA -- a well-known methylation modification found in various RNA molecules including tRNAs, rRNAs, mRNAs, and non-coding RNAs (ncRNAs). Evidence has shown that RNA cytosine methylation affects the regulation of various biological processes such as RNA stability and mRNA translation. The loss of 5-mC in vault RNAs may cause aberrant processing into Argonaute-associated small RNA fragments that can function as microRNAs.

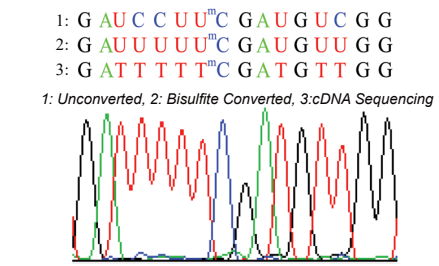
MethylFlash™ 5-mC RNA Methylation ELISA Easy Kit
Fluorescence-based quantitation of global 5-mC RNA methylation in an ELISA-like format

EpiNext™ 5-mC RNA Bisulfite-Seq Easy Kit (Illumina)
RNA bisulfite conversion, followed by a "post-bisulfite" library preparation process

Methylamp™ RNA Bisulfite Conversion Kit
Robust, chemical-based bisulfite treatment of RNA for methylated cytosine analysis



▲ The **MethylFlash™ 5-mC RNA Methylation ELISA Easy Kit (#P-9009)** accurately quantifies 5-mC content in RNA samples from different species. Results correlate with MS-LC.



▲ RNA bisulfite sequencing analysis using the **Methylamp™ RNA Bisulfite Conversion Kit (#P-9003)**.

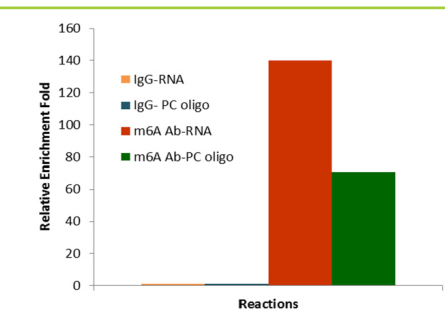
MeRIP & m6A-seq

Enriching m6A RNA fragments for next-gen sequencing is vital for identifying specific m6A loci. Our CUT&RUN RNA m6A enrichment method (cleavage under target and recovery using nuclease for RNA m6A enrichment) uses a unique enzyme mix to cleave RNA at both ends near the modification site. This approach minimizes sample loss and input amount by allowing cleavage and immunocapture to take place in the same tube. RNA-to-library cDNA processing occurs in just a few hours for accurate and streamlined results.

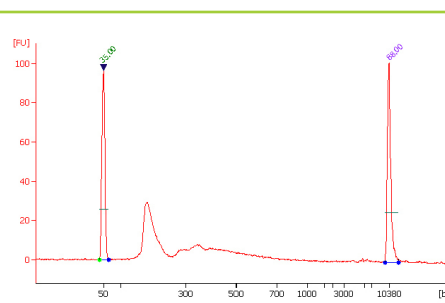
EpiQuik™ CUT&RUN m6A RNA Enrichment (MeRIP) Kit
MeRIP based on CUT&RUN for increased specificity and signals

EpiNext™ CUT&RUN RNA m6A-Seq Kit
All-in-one MeRIP & NGS library preparation based on CUT&RUN

Product Name	Size	Cat. No.
MethylFlash 5-mC RNA Methylation ELISA Easy Kit (Fluorometric)	48 reactions 96 reactions	P-9009-48 P-9009-96
EpiNext 5-mC RNA Bisulfite-Seq Easy Kit (Illumina)	12 reactions 24 reactions	P-9007-12 P-9007-24
Methylamp RNA Bisulfite Conversion Kit	50 reactions	P-9003-050
EpiQuik CUT&RUN m6A RNA Enrichment (MeRIP) Kit	24 reactions	P-9018-24
EpiNext CUT&RUN RNA m6A-Seq Kit	12 reactions 24 reactions	P-9016-12 P-9016-24
N6-methyladenosine (m6A) Polyclonal Antibody	20 µl 100 µl	A-1801-020 A-1801-100
N6-methyladenosine (m6A) Monoclonal Antibody [2H6]	20 µl 100 µl	A-1802-020 A-1802-100



▲ m6A RNA enrichment with **EpiQuik™ CUT&RUN m6A RNA Enrichment (MeRIP) Kit (#P-9018)**. Captured m6A RNA fragments from 10 µg human RNA and 500 ng positive control oligo using **m6A antibody (#A-1801)**. Nonimmune IgG was negative control. Purified and fluorescently quantified for enrichment comparison.



▲ Size distribution of library fragments using the **EpiNext™ CUT&RUN RNA m6A-Seq Kit (#P-9016)**. m6A fragments were enriched from 3 ug of total RNA with **m6A antibody (#A-1801)** and used for cDNA library preparation. Peak at 195 bps reflects insert size of RNA bound by m6A antibody.

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