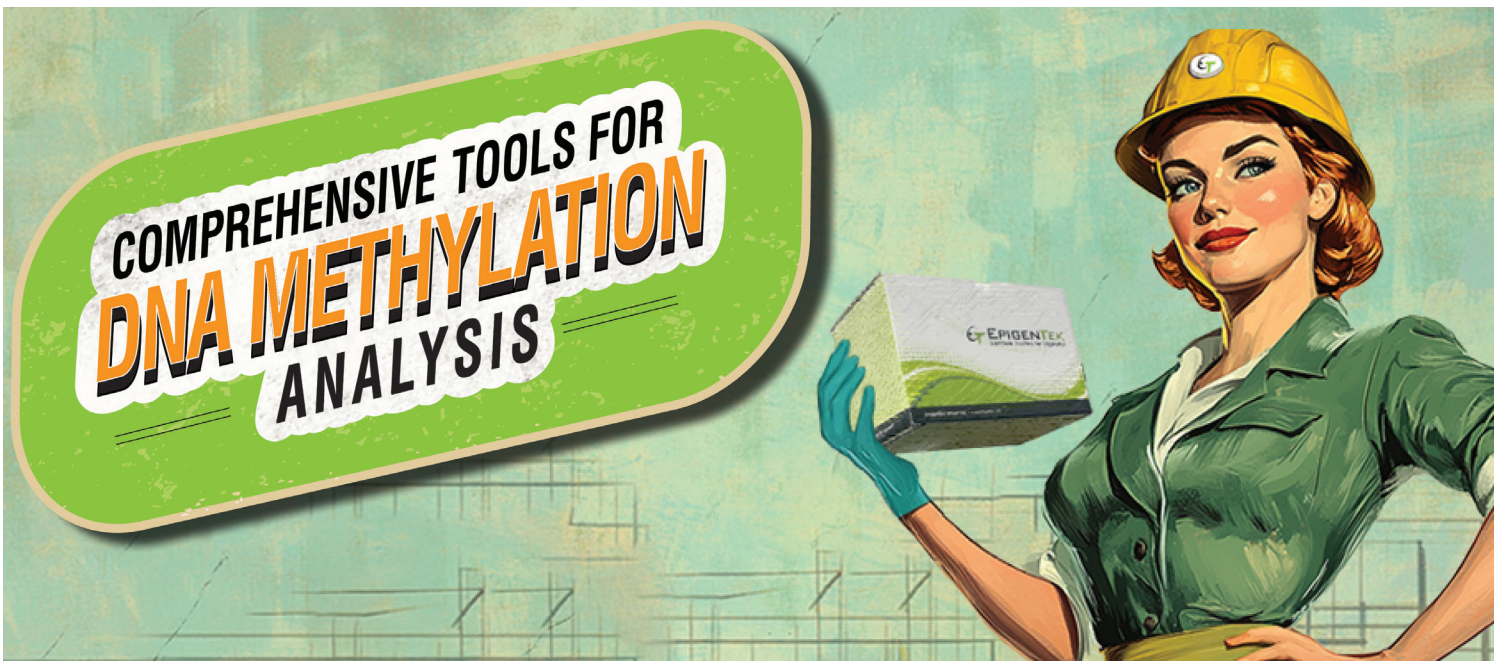
EPIGENTEK
Complete Solutions for Epigenetics

TEMA RICERCA

Tel: 1-631-755-0888 • Fax: 1-631-815-5729
https://epigentek.com • Email: sales@epigentek.com

Global DNA Methylation

Essential Tools for Efficient DNA Methylation Profiling



MethylFlash™ Global DNA Methylation & Hydroxymethylation ELISA Easy Kits

Measuring global 5-mC and 5-hmC levels in DNA doesn't have to be a complicated project. Traditional methods are time-consuming, costly, and often generate more data than you need. Simplify your workflow and build a strong foundation for your methylation analysis with our well-cited **MethylFlash™ Global DNA Methylation and Hydroxymethylation ELISA Easy Kits**.

WHAT YOUR PEERS ARE SAYING

"Well-written protocol, straight-forward directions, and no 'surprise' steps included out-of-order."

"…a few of our samples were slightly [degraded], but, still, the obtained results were consistent also in those samples."

BUILT-IN BENEFITS:

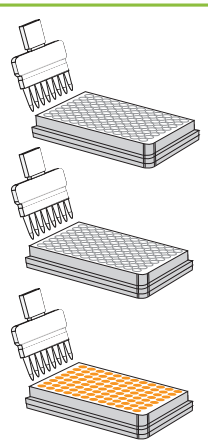
Fast: *Finish in just 2 hours*

Simple: *ELISA-like direct quantitation of 5-mC or 5-hmC*

Affordable: *Comparable performance versus LC-mass spectrometry*

Trusted: *Cited in 1,000+ peer-reviewed publications globally*

WORKFLOW



Schematic procedure for the MethylFlash™ Global DNA Methylation (5-mC) ELISA Easy Kit

Learn more at: epigentek.com/methylflash

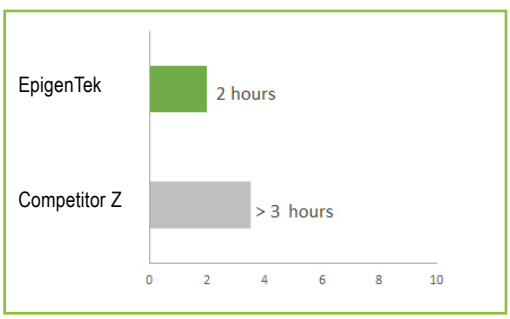
MethylFlash™ Global DNA Methylation & Hydroxymethylation ELISA Easy Kits

EpigenTek's MethylFlash™ ELISA Easy Kits provide a fast, one-step ELISA-like solution for colorimetric quantification of global DNA methylation or hydroxymethylation. As a fourth-generation technology, these kits improve upon speed, simplicity, sensitivity, and reproducibility for streamlined analysis.

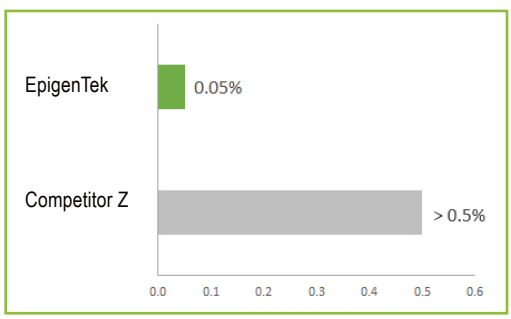
MethylFlash™ Global DNA Methylation (5-mC) ELISA Easy Kit
Quantifies 5-mC levels for DNA methylation analysis.

MethylFlash™ Global DNA Hydroxymethylation (5-hmC) ELISA Easy Kit
Measures 5-hmC levels for DNA hydroxymethylation detection.

- **Ultra-Fast:** Complete in just 2 hours with minimal steps
- **Robust:** Improved signal window with reduced variability
- **Convenient:** Low background noise; no DNA denaturation or blocking steps required
- **Highly Sensitive:** Detect as low as 0.05% 5-mC or 0.01% 5-hmC from 100 ng DNA
- **Specific:** No cross-reactivity with unmethylated or other modified cytosines
- **Universal:** Detect 5-mC or 5-hmC in any species (single/double-stranded DNA)
- **Accurate:** Optimized controls for high comparability with HPLC-MS analysis
- **Flexible:** Strip-well microplate format for manual or high-throughput analysis



Assay length comparison

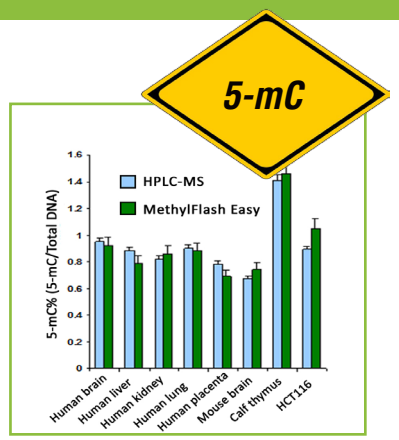


5-mC sensitivity (LOD%)

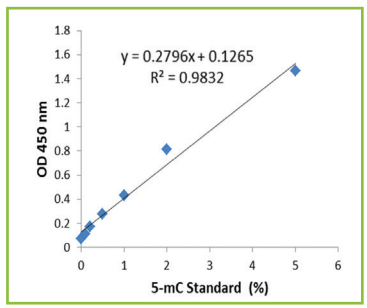


Also available
MethylFlash™ 5-Formylcytosine (5-fC) DNA Quantification Kit
Rapidly quantify 5-fC in DNA with no cross-reactivity and high-throughput compatibility in just 3 hours and 45 minutes.

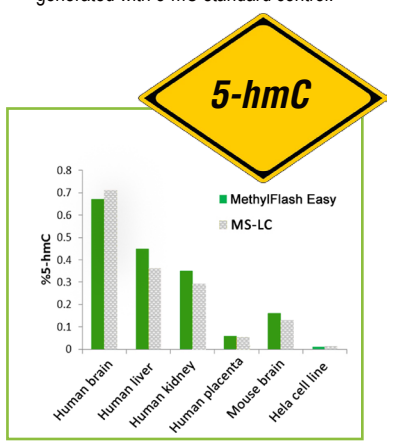
Product Name	Size	Cat. No.
MethylFlash Global DNA Methylation (5-mC) ELISA Easy Kit (Colorimetric)	48 Reactions 96 Reactions	P-1030-48 P-1030-96
MethylFlash Global DNA Hydroxymethylation (5-hmC) ELISA Easy Kit (Colorimetric)	48 Reactions 96 Reactions	P-1032-48 P-1032-96
MethylFlash 5-Formylcytosine (5-fC) DNA Quantification Kit (Colorimetric)	48 Reactions 96 Reactions	P-1041-48 P-1041-96



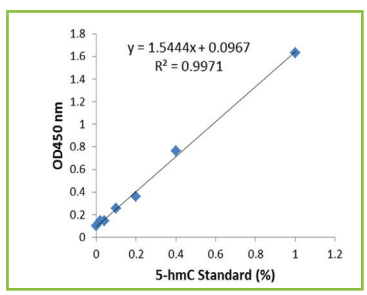
Accurate quantification of 5-mC content of various DNA samples from different species using the MethylFlash™ Global DNA Methylation (5-mC) ELISA Easy Kit (Cat. #P-1030). The results are closely correlated with those obtained by HPLC-MS.



An example of an optimal standard curve generated with 5-mC standard control.



Accurate quantification of 5-hmC content of various DNA samples from different species with the MethylFlash™ Global DNA Hydroxymethylation (5-hmC) ELISA Easy Kit (Cat. #P-1032). The results are closely correlated with those obtained by MS-LC.



An example of an optimal standard curve generated with 5-hmC standard control.

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