

Complete Solutions for
DNA Methylation

Global DNA Methylation Studies

30% OFF

MethylFlash™

Global DNA 5-mC & 5-hmC ELISA Easy Kits
Valid until June 30, 2025

Yes!
Results in
2 hours!

Offer Code
Y2503GLB



MethylFlash™ Global DNA Methylation & Hydroxymethylation ELISA Easy Kits

Measuring global 5-mC and 5-hmC levels in DNA doesn't need to be a big hassle. Forget those cumbersome techniques that can be lengthy, costly and often produce too much unnecessary data. Instead, save yourself the extra effort and quantify global DNA methylation levels in one easy step with our **MethylFlash Global DNA Methylation and Hydroxymethylation ELISA Easy Kits**.

from which you....

save time *So fast...finish in just 2 hours*

save work *ELISA-like format enables direct quantitation of genomic DNA methylation in a "one-step" reaction*

save money *Significantly more affordable than costly LC-mass spectrometry*

Workflow



Bind DNA to assay wells



Wash wells, then add detection complex solution



Wash and add color developer solution, then measure absorbance

▲ Schematic procedure for the MethylFlash™ Global DNA Methylation (5-mC) ELISA Easy Kit (Colorimetric) (Cat. #P-1030).

Accurately Measure Global 5-mC or 5-hmC in DNA in Just 2 Hours

Our **MethylFlash™ Global DNA Methylation and Hydroxymethylation ELISA Easy Kits** are each a complete set of optimized buffers and reagents to colorimetrically quantify global DNA methylation or hydroxymethylation in a simplified, “one-step” ELISA reaction. As a fourth generation technology of EpigenTek’s popular global DNA methylation technique, these are a further refinement of the predecessor MethylFlash kits by improving upon speed, simplicity, sensitivity, and reproducibility.

Advantages & Features

Quantify global DNA methylation or hydroxymethylation status by specifically measuring levels of 5-mC or 5-hmC in a simplified, “one-step” ELISA-like format.

Fast - Reduced steps allow you to finish in only 2 hours

Robust - Improved kits have a greater “signal window” with reduced variation between replicates

Convenient - Inherently low background noise without the need for DNA denaturation and plate blocking steps

- **Sensitive** - Detection limit can be as low as 0.05% methylated or 0.01% hydroxymethylated DNA from 100 ng of input DNA
- **Specific** - No cross-reactivity to unmethylated or other modified cytosines
- **Universal** - Included positive and negative controls allow for detection of DNA methylation or hydroxymethylation in any species from either single-stranded or double-stranded input DNA
- **Accurate** - Optimized positive controls that can be fractionalized in percentage scale, allowing the assays to be more accurate and highly comparable with HPLC-MS analysis
- **Flexible** - Strip-well microplate format for manual or high throughput analysis

How are these kits different from our previous MethylFlash kits?

The **MethylFlash Easy kits**, while still retaining the many advantageous features of our previous kits, utilizes a “one-step” ELISA reaction to eliminate the need for multiple sample and antibody binding steps. The protocols are simplified, reducing the procedure times by 50% versus the previous MethylFlash kits. Some adjustments were made to also reduce the CV% between wells. The greater “signal window” of each kit, along with adjusted calculation formulas, makes these latest kits very accurate. In a nutshell, MethylFlash Easy kits are faster, easier, more robust, and more accurate.

Learn more at: www.epigentek.com/methylflash

