

**Special Pricing**  
**GLOBAL**  
**DNA METHYLATION**  
**ELISA**

**Yes!**  
Results in  
2 hours!



**Special pricing through December\* on MethylFlash 5mC ELISA (EP-P-1030)**

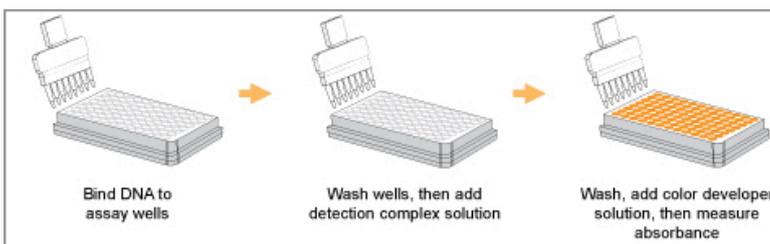
**EP-P-1030-48 - 20% discount = 368.80 € HT**

**EP-P-1030-96 - 30% discount = 584.50 € HT**

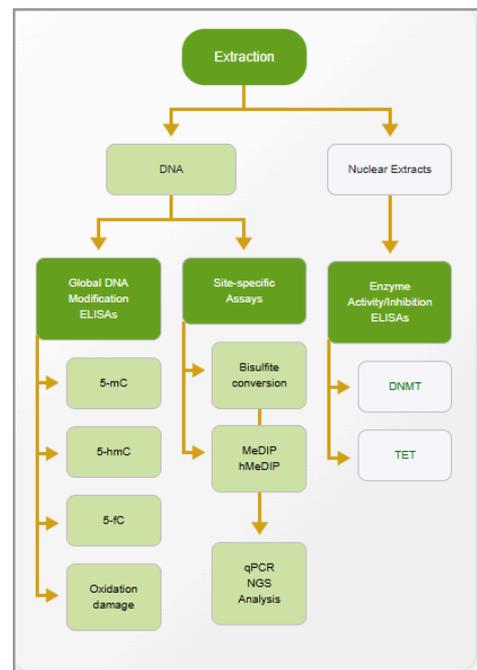
**Global DNA Methylation Kits**

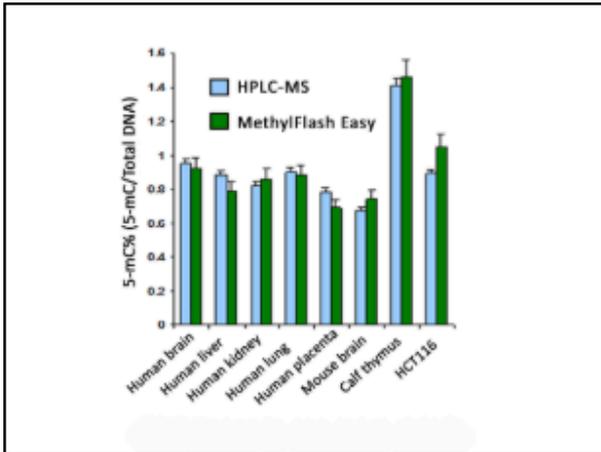
Accurately measure global 5-mC or 5-hmC in just two hours

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.



- So fast...finish in just 2 hours
- ELISA-like format enables direct quantitation of genomic DNA methylation in a “one-step” reaction
- Significantly more affordable than costly LC-mass spectrometry





MethyFlash Global DNA Methylation (5-mC) ELISA Easy Kit (Colorimetric)

For quantitation of global DNA methylation via a one-step ELISA method

- **Fast:** Reduced steps so that the entire procedure only needs 2 hours
- **Robust:** Improved kit composition allows the assay to have a greater "signal window" with reduced variation between replicates
- **Accurate:** Optimized positive controls that can be fractionalized in percentage scale, allowing the assay to be more accurate and highly comparable with HPLC-MS analysis.

**EpigenTek vs. Competitors: Performance Comparison**

Feature	EpigenTek	Competitor Z	Competitor C
Protocol Time	2 hours	>3 hours	>3 hours
Sample Input Type	Isolated DNA is directly used for the assay; no blocking needed	Isolated DNA requires single strand conversion; blocking needed	Urine; Isolated DNA (requires single strand conversion, nuclease digestion, and alkaline phosphatase treatment)
Input Amount	100 ng optimal	100 ng optimal	2 µg of DNA minimum per assay
Sensitivity	LOD 0.05%	LOD >0.5%	150 nM of 5-mC deoxynucleoside
Controls	Synthesized PC (methylated) and NC (unmethylated) oligos	PC and NC E. coli gDNA (require single strand conversion); PC methylated with CpG Methylase	5-mC deoxynucleoside standard
Suitability for Various Samples	Universal for any species	Only suitable for a few species	Limited to specific species
Methylation Quantification	Both relative and absolute	Only relative	Only relative
Accurately Reflects True Methylation Status	High	Low	Low
Citations	Very high >780	Low ~120	Low

