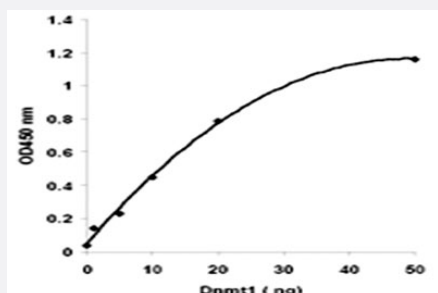


DNMT Activity/Inhibition Assay Ultra Kit (Colorimetric)

Catalog # KA1515

Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Result Data

Result Data

Positive control by using nuclear extract from MCF-7 cells.

Specification

Product Description

DNMT Activity/Inhibition Assay Ultra Kit (Colorimetric) is suitable for measuring total DNMT activity or inhibition using nuclear extracts or purified enzymes from a broad range of species such as mammals, plants, fungi, bacteria, and viruses in a variety of forms including, but not limited to, cultured cells and fresh/frozen tissues.

Suitable Sample

Purified DNMT Enzymes or Nuclear Extracts.

Sample Volume

The amount of nuclear extracts for each assay can be between 0.5 ug to 20 ug with an optimal range of 5-10 ug. The amount of purified enzymes can be 0.5 ng to 200 ng, depending on the purity and catalytic activity of the enzymes.

Detection Method

Colorimetric

Regulation Status

For research use only (RUO)

Quality Control Testing

Standard Curve

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store MU3, MU4, MU6 and MU7 at -20°C away from light.

Store MU1, MU2, MU5, MU8, MU9, 8-Well Assay Strips and Adhesive Covering Film at 4°C away from light.

Aliquot to avoid repeated freezing and thawing.

Note

Result Data

Result Data

Positive control by using nuclear extract from MCF-7 cells.

Applications

- Functional Study

Publication Reference

- [Effects of tributyltin on retinoid X receptor gene expression and global DNA methylation during intracapsular development of the gastropod *Tritia mutabilis* \(Linnaeus, 1758\).](#)

Paolo Cocci, Gilberto Mosconi, Francesco Alessandro Palermo.

Environmental Toxicology and Pharmacology 2021 Nov; 88:103753.

Application: Enzyme, *Tritia mutabilis*, *Tritia mutabilis* embryos

- [Prenatal exposure to benzophenone-3 \(BP-3\) induces apoptosis, disrupts estrogen receptor expression and alters the epigenetic status of mouse neurons.](#)

Wnuk A, Rzemieniec J, Litwa E, Lasoń W, Kajta M.

The Journal of Steroid Biochemistry and Molecular Biology 2018 Apr; [Epub].

Application: Func, Mouse, Nuclear extract