

Ultralow Methyl-Seq with TrueMethyl® oxBS TrueMethyl oxBS

The Ultralow Methyl-Seq library preparation kit provides a simple, fast and scalable solution for producing libraries used in conjunction with bisulfite sequencing to analyze DNA methylation. With input levels as low as 10 ng, the kit enables methylation studies for a broad range of sample types and can be completed within 6 hours.

Tecan is now the home for TrueMethyl [oxBS conversion](#) technology! As an exclusive partner of Cambridge Epigenetix, Tecan is the source for the breakthrough approach of oxidative bisulfite conversion. TrueMethyl oxBS technology enables the most accurate 5-methylcytosine (5mC) identification for NGS, and the interrogation of 5-hydroxymethylcytosine (5hmC), a modified base that is not assayed by traditional bisulfite conversion approaches.

When used in conjunction with the Ultralow Methyl-Seq kit, the result is accurate, low-cost whole genome sequencing.

Features of the Ultralow Methyl-Seq with TrueMethyl oxBS:

DimerFree® library preparation

Integrated oxidative bisulfite conversion

Uniform whole genome coverage

Reproducible RRBS enrichment

PhiX-free sequencing with diversity adaptors

Detection of 5mC and 5hmC with the same workflow

Directional libraries

All-in-one: From DNA to sequenceable library in a single kit