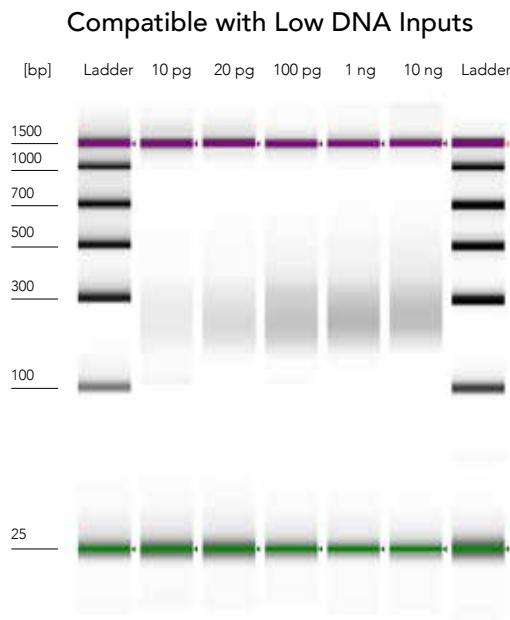


Reliable Bisulfite Conversion for Next-Gen Sequencing

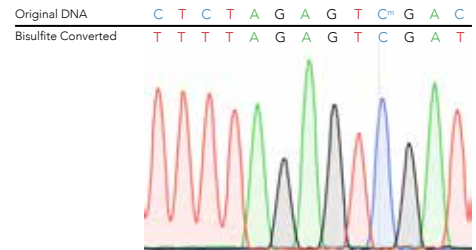
EZ DNA Methylation-Lightning® Kits

- **Streamlined Process:** Ready-to-use conversion reagent is added directly to DNA. Purified bisulfite converted DNA in < 1.5 hours.
- **High-Quality:** Bisulfite-converted DNA has > 99.5% conversion efficiency with reduced fragmentation.
- **NGS-Ready:** Low DNA input requirement makes it ideal for preparing whole genome or targeted enrichment bisulfite libraries for methylation analysis.



Whole-genome bisulfite sequencing libraries were successfully prepared from DNA inputs as low as 10 pg using the EZ DNA Methylation – Lightning® Kit. Libraries were generated using the Zymo Research Pico Methyl-Seq™ Library Prep Kit, then analyzed using the Agilent 2200 TapeStation® system.

High Conversion Efficiency



DNA with a methylated CpG (at nucleotide position 10) was processed using the EZ DNA Methylation-Lightning® Kit. The recovered DNA was amplified by PCR then sequenced. The methylated cytosine at position #10 remained intact, while the unmethylated cytosines (i.e. positions #1, 3, and 13) were converted into uracil following bisulfite treatment and detected as thymine following PCR.

Specifications

Input 100 pg - 2 µg purified DNA

Conversion Efficiency > 99.5%

Elution Volume Spin Column: ≥ 10 µl
96-well: ≥ 15 µl
Magprep: ≥ 25 µl

DNA Recovery Spin Column: > 80%
96-well: > 70%
Magprep: > 70%

Platform Compatibility Roche NimbleGen SeqCap™ Epi Enrichment System

illumina TruSeq® DNA Methylation Kit

illumina TruSeq® Methyl Capture EPIC Library Prep Kit

Référence	Désignation	Conditionnement
ZD5030T	EZ DNA Methylation-Lightning Kit	10 rxns
ZD5030	EZ DNA Methylation-Lightning Kit	50 rxns
ZD5031	EZ DNA Methylation-Lightning Kit	200 rxns
ZD5032	EZ-96 DNA Methylation-Lightning Kit (Shallow-Well)	2 x 96 rxns
ZD5033	EZ-96 DNA Methylation-Lightning Kit (Deep-Well)	2 x 96 rxns
ZD5046	EZ-96 DNA Methylation-Lightning MagPrep	4 x 96 rxns
ZD5047	EZ-96 DNA Methylation-Lightning MagPrep	8 x 96 rxns
Produits associés : les standards d'ADN méthylé / non méthylé		
ZD5011	Universal Methylated Human DNA Standard	20 rxns
ZD5012	Universal Methylated Mouse DNA Standard	20 rxns
ZD5013	Human Methylated & Non-Methylated (WGA) DNA Set (DNA w/ primers)	1 kit
ZD5014	Human Methylated & Non-Methylated DNA Set (DNA w/ primers)	1 kit
ZD5015	Bisulfite-Converted Universal Methylated Human DNA Standard	50 rxns
ZD5016	<i>E. coli</i> Non-Methylated Genomic DNA	5 µg, 20µl
ZD5017	Methylated & Non-Methylated pUC19 DNA Set	1 set
ZD5101-2	Methylated / Non-Methylated Control DNA & Primer Set	1 set
ZD5018	Human Matched DNA Set	1 set

Nous contacter

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Des femmes et des hommes
au service de vos recherches

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Service technique :

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