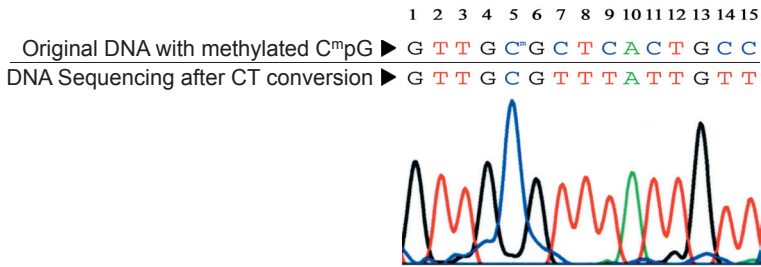
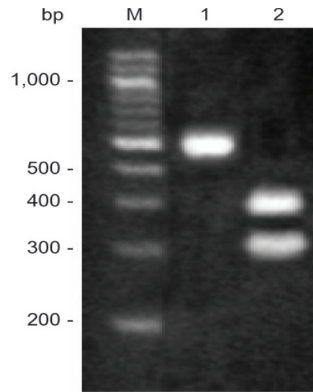


EZ DNA Methylation™ Kit



DNA sequencing results after bisulfite treatment. DNA with methylated C^mpG (at nucleotide position #5) was bisulfite treated. The recovered DNA was amplified by PCR and then sequenced directly. The methylated cytosine at position #5 remained intact while the unmethylated cytosines (i.e., positions #7, 9, 11, 14 and 15) were completely converted into uracil following bisulfite treatment and detected as thymine following PCR.



A 459 bp PCR product amplified from DNA converted with the **EZ DNA Methylation™ Kit** (lane 1) and from DNA not treated with the kit (lane 2) was digested with EcoR I. The cytosine at the EcoR I site was converted to uracil during treatment, not resulting in cleavage of the DNA by the endonuclease.

Ordering Information

Product Description	Catalog No.	Kit Size
EZ DNA Methylation™ Kit	D5001	50 Rxns.
EZ DNA Methylation™ Kit	D5002	200 Rxns.
EZ-96 DNA Methylation™ Kit (Shallow-Well)	D5003	2x96 Rxns.
EZ-96 DNA Methylation™ Kit (Deep-Well)	D5004	2x96 Rxns.

DNA Standard & Control Primers	Catalog No.	Kit Size
Universal Methylated DNA Standard	D5010	1 set
Universal Methylated Human DNA Standard	D5011	1 set
Universal Methylated Mouse DNA Standard	D5012	1 set

The EZ DNA Methylation-Gold™ and EZ DNA Methylation-Direct™ Kits are patent pending. The Polymerase Chain Reaction (PCR) process is covered by U.S. Pat. Nos. 4,683,195 and 4,683,202 assigned to Hoffmann-La Roche. Patents pending in other countries. No license under these patents to use the PCR process is conveyed expressly or by implication to the purchaser by the purchase of Zymo Research's EZ DNA Methylation kits. Further information on purchasing licenses to practice the PCR process can be obtained from the director of Licensing at Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404 or at Roche Molecular Systems, Inc., 1145 Atlantic Avenue, Alameda, California 94501. Use of Methylation Specific PCR (MSP) is protected by US Patents 5,786,146 & 6,017,704 & 6,200,756 & 6,265,171 and International Patent WO 97/46705. No license under these patents to use the MSP process is conveyed expressly or by implication to the purchaser by the purchase of this product. Note - ™ Trademarks of Zymo Research Corporation. This product is for research use only and should only be used by trained professionals. Some reagents included with this kit are irritants. Wear protective gloves and eye protection. Follow the safety guidelines and rules enacted by your research institution or facility.