

# *E. coli* Non-methylated Genomic DNA

Cat. Nos. D5016

Storage: -20 °C



ZYMO RESEARCH

The Beauty of Science is to Make Things Simple

## Product Information

### Description:

The *E. coli* Non-methylated Genomic DNA contains DNA purified from a K-12 *E. coli* strain which is Dam<sup>-</sup> and Dcm<sup>-</sup> (1).

### Application:

- Negative control for epigenetic experiments requiring DNA containing zero background levels of cytosine and adenosine methylation.
- Substrate for DNA methylation-sensitive restriction enzyme digestions

### Product Contents:

	Cat. # D5016	Storage Temp.
<i>E. coli</i> Non-methylated Genomic DNA	5 µg/20 µl	-20 °C

### Concentration:

250 ng/µl in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0)

### Source:

*Escherichia coli* strain ER2925\* (Dam<sup>-</sup> and Dcm<sup>-</sup>)

### Genotype (2):

*ara-14 leuB6 fhuA31 lacY1 tsx78 glnV44 galk2 galT22 mcrA dcm-6 hisG4 rfbD1 R(zgb210::Tn10)TetS endA1 rpsL136 dam13::Tn9 xylA-5 mtl-1 thi-1 mcrB1 hsdR2*

### References:

- Marinus, M.G. & Morris, N.R., J. Bacteriol. 114: 1143-50 (1973).
- For definitions of genes and mutations, please visit the *E. coli* Genetic Stock Center (CGSC) at <<http://cgsc.biology.yale.edu>>.

### Trademarks and Disclaimers:

\* Used with permission from New England Biolabs.

This product is for research use only and should only be used by trained professionals. Wear protective gloves and eye protection. Follow the safety guidelines and rules enacted by your research institution or facility.

### Also Available:

Product Name	Size	Catalog number
EZ DNA Methylation™ Kit	50	D5001
	200	D5002
	2 x 96	D5003
	2 x 96	D5004
EZ DNA Methylation-Gold™ Kit	50	D5005
	200	D5006
	2 x 96	D5007
	2 x 96	D5008
EZ DNA Methylation-Direct™ Kit	50	D5020
	200	D5021
	2 x 96	D5022
	2 x 96	D5023
EZ DNA Methylation-Startup™ Kit	1 Kit	D5024
EZ Bisulfite DNA Clean-up Kit™	50	D5025
	200	D5026
	2 x 96	D5027
	2 x 96	D5028
Universal Methylated DNA Standard	1 set	D5010
Universal Methylated Human DNA Standard	1 set	D5011
Universal Methylated Mouse DNA Standard	1 set	D5012
Human HCT116 DKO Methylation Standards	1 set	D5014
Human HCT116 DKO Non-methylated DNA Standard	5 µg	D5014-1
Human HCT116 DKO Methylated DNA Standard	5 µg	D5014-2
Bisulfite Converted Universal Methylated Human DNA Standard	1 set	D5015
ChIP DNA Clean & Concentrator™	50	D5201
	50	D5205
Methylated-DNA IP Kit	10	D5101
Anti-5-Methylcytosine Monoclonal Antibody (clone 10G4)	50 µg	A3001-50
	200 µg	A3001-200
ZymoTaq™ DNA Polymerase	50	E2001
	200	E2002
ZymoTaq™ PreMix (2X concentrated)	50	E2003
	200	E2004
CpG Methylase (M.SssI)	200 units	E2010
	400 units	E2011

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