Universal methylated DNA standard (mouse)

Methylation standard (mouse) to help determine efficiency of a bisulfite DNA conversion

The Universal mouse methylated DNA standard with the included primers can be used in conjunction with Enzo's Blood and tissue methylation kit or the Express methylation kit. The DNA included in this set is enzymatically methylated at all cytosine positions to help assess the efficiency of the bisulfite-mediated conversion of DNA. DNA is isolated from a male mouse source. The primer set is designed to amplify a fragment of the mouse mismatch MLH1 mismatch repair gene following bisulfite treatment. The methylated cytosines comprising CG dinucleotides remain unconverted following bisulfite treatment, whereas non-methylated cytosines are converted into uracil and detected as thymine after PCR.

- Conveniently use with methylation kits
- Enzymatically modified standard includes short, easy to follow protocol
- Primers included

Ordering Information

Order Online »

ENZ-45006-0001	20 tests

Manuals, SDS & CofA

View Online »

mMLH1 Primer I: 5´ - GGTGTACGAAGTTATTTTTATTTTAGTC - 3´ mMLH1 Primer II: 5´ - ACCCAACGATACCTAATAATAAAACC - 3´ The following primer set is provided in the pack. Following bisulfite treatment of experimental methylated DNA, PCR can be conducted using the mMLH1 set primers with the universal methylated DNA as a control.	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. With proper storage, good for one year upon receipt.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Contents	Control primers: (mMLH1 (F) and mMLH1 (R)) 20µl each and Universal methylated DNA (mouse) 5µg/20µl
Formulation	Universal methylated DNA standard (mouse), 250ng/µL in TE buffer, pH 8.0. Control primers 20µM each primer in TE buffer, pH 8.0

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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