

MGMT Methylation Assay

... quantifies CpG sites

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Boost your research activities with the new MGMT methylation assay!
Quantify up to 27 CpG sites in one trial!

MGMT (human) is located at chromosome 10 (10q26). Encoding the DNA repair protein O-Methylguanine-DNA Methyltransferase. MGNT repairs alkylated guanine in DNA by stoichiometrically transferring the alkyl group at the O-6 position to a cysteine residue in the enzyme. Frequently loss of gene expression occurs via hypermethylation of CpG sites within the promoter region of the MGMT gene.

Our Service

We offer a reliable and accurate assay service for analyzing the methylation level of the promoter region of the human MGMT gene.

Get each of the consecutive CpG sites analyzed.
 Get detailed quantitative information about your samples.
 In an unbeatable quality.

Assay Data

The region of interest is within the promoter region of the MGMT gene, 27 CpG sites are observed in this ROI.
 Therefore the assay contains 2 parts, whether you choose one or both belonging to your interest.

Analyzing Method

- 1) Genomic DNA is treated with bisulfite
- 2) Amplification of the region of interest
- 3) Methylation level of each CpG site is determined by inhouse Pyrosequencing®-Technology
- 4) Quality Control of bisulfite rxn and sequence context are included

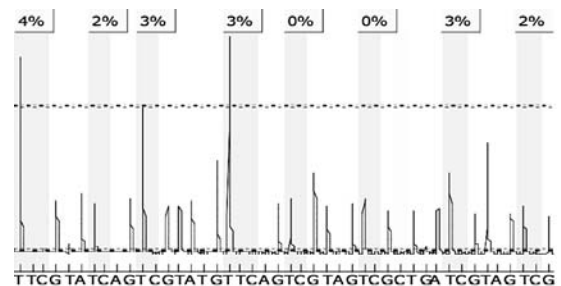


Illustration of the results of our service: each CpG site in the promoter region is exactly quantified.

A Quality Control of the bisulfite rxn is included.

For further information please call +49 (0) 7357 916377
Or visit us here: www.DNA-Methylierung.de

Prices

The assay consists of 2 analyzing parts. Choose one of them or both together.
Part 1 (CpG 1 to 16), **Part 2** (CpG) 17 to 27), both within the promoter region.

One Part	Both Parts	No of samples
48,00	68,00	1 to 10
45,00	60,00	11 to 20
42,00	53,00	21 to 50
39,00	49,00	51 to 100
37,00	45,00	101 to 200
On request	On request	201 and more

Prices in EUR per sample (exclusive of VAT).

Disclaimer: A patent or patent applications may cover these CpG sites. This service is made available for scientific research only and in no way confers the rights to perform this assay or its results/data for commercial purposes or profit. This assay is for research use only. Not for use in diagnostic procedures. Pyrosequencing is a registered trademark of Biotage AB.