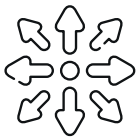


# MGMT Methylation Analysis Kit

- Quantitative detection of MGMT hypermethylation.
- Specially designed for methylation analysis by routine RT-qPCR.
- Easy to use Multiplex real-time PCR technology.
- Calibrator and Positive Control allow results to be obtained as a percentage.

CE-IVD

Real-time PCR



MULTIPLEX



FAST



SENSITIVE



QUANTITATIVE

The geneMAP™ MGMT Methylation Analysis Kit is a methylation-specific Realtime PCR (MSP) test designed to detect and quantification O (6) -methylguanine-DNA methyltransferase (MGMT) promoter hypermethylation status in genomic DNA of glioblastoma multiform (GBM) tumors. MGMT promoter methylation has been shown to lead to increased sensitivity to alkylating agents such as temozolomide and to have a favorable prognostic significance.

## Simple real time - PCR Workflow



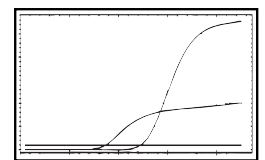
### Sample preparation

Add DNA to the reaction mix



### qPCR amplification

Multiplex qPCR using primers designed to amplify the DNA sequences specific to each SNP of interest



### Data interpretation

SNPs are identified by allele-specific real time PCR.



## Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500, QuantStudio Series
- Roche, Light Cycler 480 II
- Qiagen Rotor-Gene® 3000 Q5/Q6
- BioMolecular Systems, MicPCR

## Ordering Information

MGM-RT50

geneMAP™ MGMT Methylation

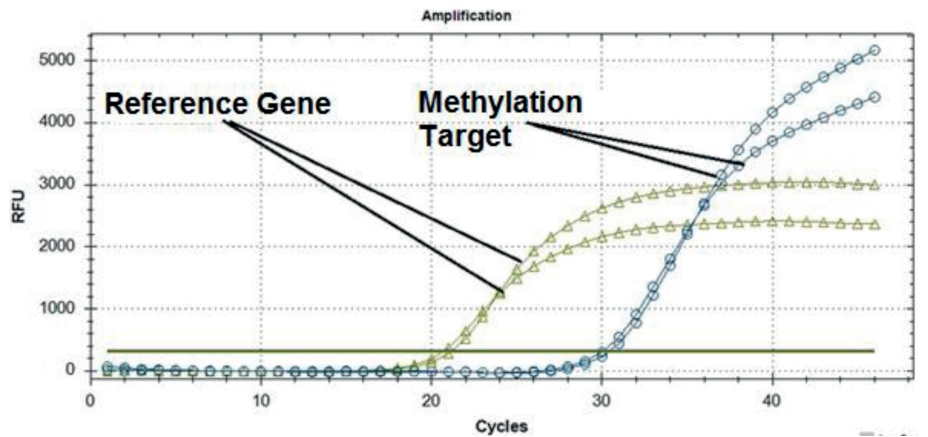
Analysis Kit

50 tests **CE-IVD**

CE-IVD is available in the EU and countries outside EU accepting the CE-IVD certification. Available as RUO in all other countries.

## Technical Specifications

For the detection of MGMT promoter hypermethylation status.



CONTENTS	VOLUME
4x MGMT Primer Probe Mixes	2 x 150 µl
2x Master Mixes	2 x 300 µl
RNase Free Water	400 µl
Calibrators (% Methylated DNA)	2 x 30 µl
Positive Controls (100% Methylated DNA)	2 x 30 µl

In GENMARK SAĞLIK URUNLERI, we aim to create the top quality, time and cost efficient, trust-worthy and user-friendly products. We specialize in in-vitro detection kit production and development which is used for the diagnosis and treatment monitoring of many diseases connected to genetics, oncology, microbiology and hematological oncology.