

MTHFR C677T Mutation Detection Kit

- Easy to use with a ready-to-use reaction mix.
- Delivers accurate results, including Homozygous and Heterozygous controls.
- Compatible with dual-color real-time PCR instruments using FAM and VIC/HEX detection channels.
- Provides precise results through the TaqMan probe-based allelic discrimination method.

CE-IVD

Real-time PCR



MULTIPLEX



ONE TUBE



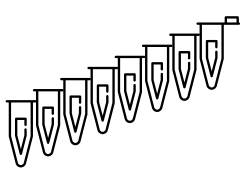
FAST



SENSITIVE

The geneMAP™ MTHFR C677T Mutation Detection Kit is a rapid and accurate real-time PCR assay for the detection of the 677C>T mutation in the methylenetetrahydrofolate reductase (MTHFR) gene. This mutation is associated with reduced enzyme activity leading to hyperhomocysteinemia and toxic side effects of methotrexate treatment. The kit is designed to identify patients predisposed to develop cardiovascular diseases or intolerance to methotrexate.

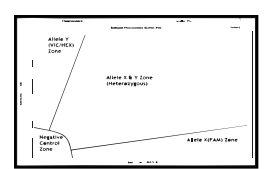
Simple real time - PCR Workflow



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

MTHFI-RT50

MTHFR C677T Mutation

Detection Kit

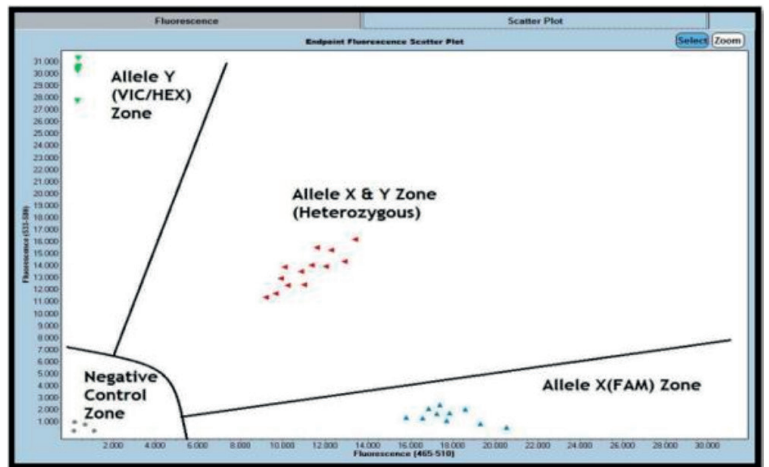
50 tests **CE-IVD**

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

Detection of the following SNPs and their corresponding normal alleles

- For the detection of the 677C>T mutation in the methylenetetrahydrofolate reductase (MTHFR) gene.



CONTENTS

C677T Master Mix

RNase Free Water

Positive Control (Heterozygous)

Positive Control (Homozygous)

VOLUME

850 µl

400 µl

100 µl

100 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.