

MTHFR A1298C Mutation Detection Kit

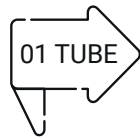
- Easy to use with a ready-to-use reaction mix.
- Delivers accurate results, including Homozygous and Heterozygous controls.
- Compatible with dual-color real-time PCR instruments using FAM and VIC/HEX detection channels.
- Provides precise results through the TaqMan probe-based allelic discrimination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

CE-IVD

Real-time PCR



MULTIPLEX



ONE TUBE



FAST



SENSITIVE

geneMAP™ MTHFR A1298C Mutation Detection Kit is a fast and accurate real-time PCR test for the detection of the 1298A>C mutation in the methylenetetrahydrofolate reductase (MTHFR) gene. The mutation is associated with decreased enzyme activity, which leads to hyperhomocysteinemia and to toxic side-effects of methotrexate therapy. The kit is designed to identify patients predisposed to develop cardiovascular diseases or intolerance to methotrexate.

Simple real time - PCR Workflow



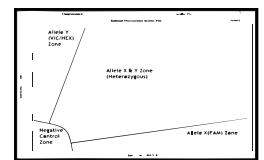
Sample preparation

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

MTHFII-RT50

MTHFR A1298C Mutation

Detection Kit

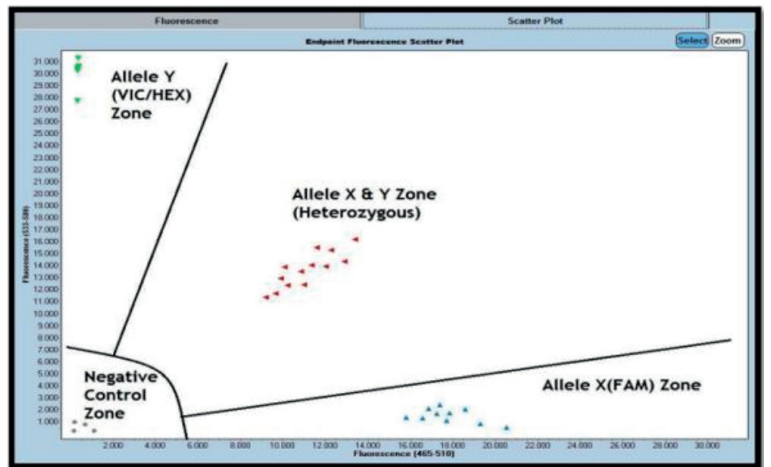
50 tests **CE-IVD**

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 1298A>C mutation in the methylenetetrahydrofolate reductase (MTHFR) gene.



CONTENTS

A1298C 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.