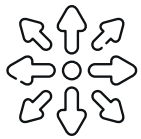


Somatic Mutation Detection Kit

- Quantitative detection of JAK2 exon 14, V617F mutation.
- Superior analytical sensitivity and specificity with Allele Specific PCR.
- Fast and Easy use with Multiplex Realtime PCR Technology.
- Limit of Detection 0.018 %, with a 95% confidence.
- Automatic analysis with geneMAP™ viewer (for CFX96™ / BIO-RAD).

RUO

Real-time PCR



MULTIPLEX



FAST



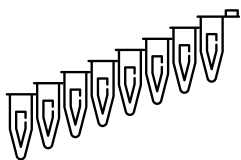
SENSITIVE



QUANTITATIVE

The geneMAP™ Somatic Mutation Detection Kit is intended for the detection and quantification of JAK2 exon 14 V617F/c.1849-G>T mutation in DNA extracted from peripheral blood. The kit can be used as an aid in the evaluation of suspected Philadelphia (Ph) chromosome-negative myeloproliferative neoplasm (MPN) and molecular disease monitoring in MPN patients. The absence of the JAK2 V617F/c.1849G>T mutation does not exclude the presence of other JAK2 mutations.

Simple real time - PCR Workflow



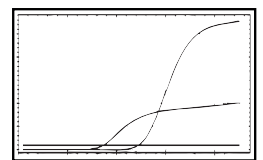
Sample preparation

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
- BaseTyper™, Pentabase

Ordering Information

SMT-RT50

geneMAP™ Somatic Mutation

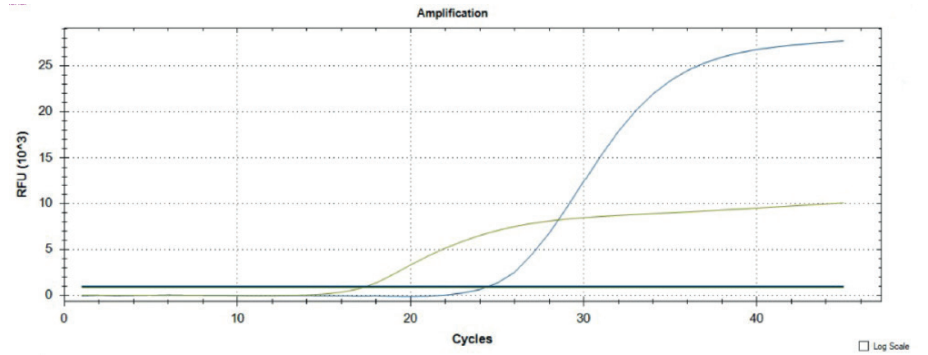
Detection Kit

50 tests **RUO**

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 Detection of JAK2 exon 14, V617F mutation



CONTENTS

VOLUME

V617F Primer Probe Mix

150 µl

2x Master Mix

500 µl

RNase Free Water

400 µl

Calibrator

50 µl

Positive Control

50 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.