

JAK-2 Exon 12 Mutations Detection Kit

- Quantification and detection of 10 mutations in JAK2 exon 12.
- Superior analytical sensitivity and specificity with Allele Specific PCR.
- Fast and Easy use with Multiplex Realtime PCR Technology.
- Limit of Detection 0.5 %, with a 95% confidence
- Automatic analysis with geneMAP™ viewer (for CFX96™ / BIO-RAD).

CE-IVD

Real-time PCR



MULTIPLEX



FAST



SENSITIVE



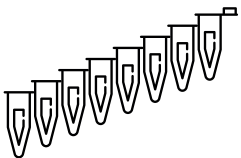
QUANTITATIVE

Approximately 95% of Polycythemia Vera patients are positive for JAK2 mutation (exon 14) and only 5% are positive for JAK2 exon 12 mutation. JAK2 and other mutation screening tests are often ordered if the clinical findings support PV or other myeloproliferative neoplasms (MPN).

The geneMAP™ JAK-2 Exon12 Mutations Detection Kit is intended for the detection and quantification of 10 mutations in JAK2 exon 12 location from DNA extracted from peripheral blood.

These mutations; N542-E543del, E543-D544del, K539L, H538-K539delinsL, I540-E543delinsMK, H538QK539L, R541-E543delinsK, F537-K539delinsL, V536-I546dup11, F537-I540delinsLV

Simple real time - PCR Workflow



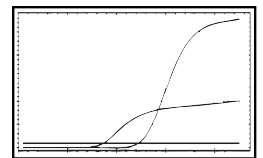
Sample preparation

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

JK12Q-RT50

geneMAP™ JAK-2 Exon 12 Mutations

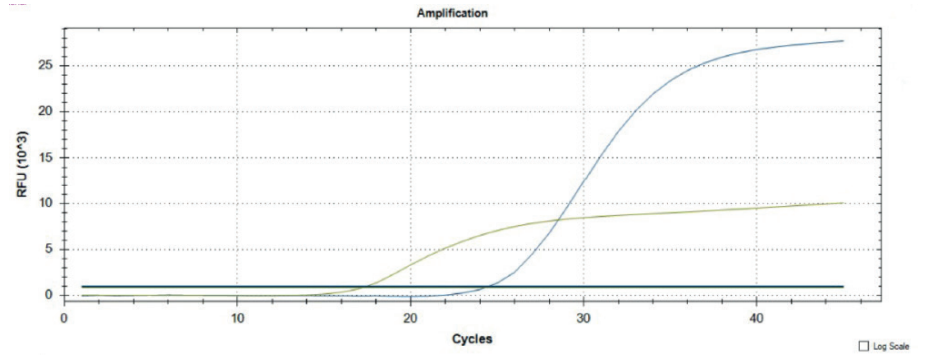
Detection Kit

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 and quantitation of 10 mutations in JAK2 exon 12 location.



CONTENTS

VOLUME

JAK-2 Exon 12 Primer Probe Mix

250 µl

2x Master Mix

500 µl

Negative Template Control (NTC)

100 µl

Calibrator

150 µl

Positive Control

150 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.