

c-KIT D816V Mutation Detection Kit

- Quantitative detection of D816V in c-KIT gene.
- This kit also can detect D816V, D816Y and D816H mutations.
- Superior analytical sensitivity and specificity with Allele Specific PCR.
- Fast and Easy use with Multiplex Realtime PCR Technology.

CE-IVD

Real-time
PCR



MULTIPLEX



FAST



SENSITIVE

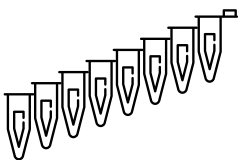


QUANTITATIVE

In the majority of cases of systemic mastocytosis, the accumulated mast cells have a mutation in the KIT gene. In more than 80 percent of individuals with systemic mastocytosis, the amino acid at position 816 (aspartic acid) is replaced by valine as a result of the mutation.

geneMAP™ c-KIT D816V Mutation Detection Kit can distinguish normal from (1%) mutated alleles.

Simple real time - PCR Workflow



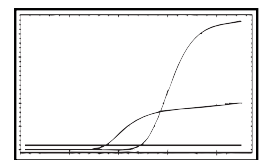
Sample preparation

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

cKIT-RT25

geneMAP™ c-KIT D816V Mutation

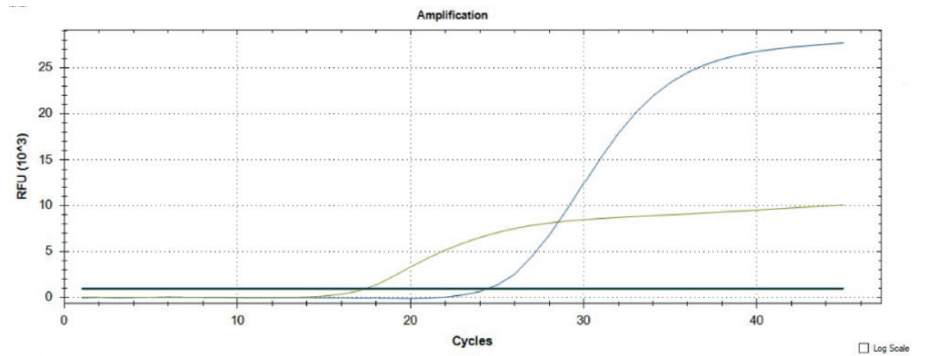
Detection Kit

25 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 Detection of KIT D816V, D816Y and D816H mutations.



CONTENTS

VOLUME

4x c-KIT (D816V) Primer Probe Mix

125 µl

2x Master Mix

300 µl

RNase Free Water

400 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.