

FMF5 Mutation Detection Kit

Technical Specifications

Intended Use

-Detection of E148Q, M694V, V726A, M680I (G/C), P369S mutations in MEFV human gene.

Suitable Sample Type

-Whole Blood in tube with EDTA

Test Procedure

-DNA Isolation
-Multiplex RT-qPCR

Validated PCR Instruments

- Bio-Rad CFX96
- Life Technologies ABI-7500
- Roche, Light Cycler 480 II
- BioMolecular Systems, MicPCR
- QuantStudio™ 5 Real-Time PCR System

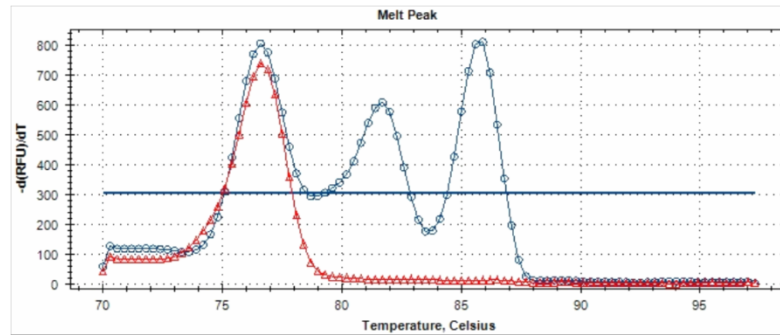
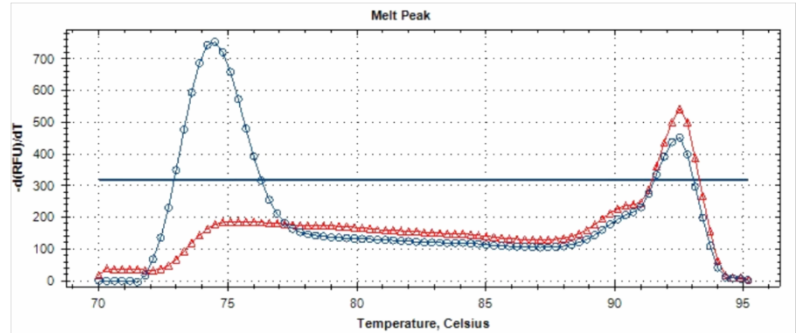
Catalog Number

- FMF.5-RT50

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Mix1,2:
E148Q
Heterozygote



Mix3,4:
V726A
Heterozygote

- ✓ This kit uses Real-time PCR based method.
- ✓ With only one hydrolysis primer probe, the differentiation between homozygote, heterozygote and wild type can be detected.
- ✓ The test system is designed with sequence specific primers.
- ✓ The florescent dye used for allele analysis is EvaGreen (Biotium-ABD).

GeneMAP™ FMF5 Detection Kit is designed specifically for mutation detection with routine RT-qPCR. It is easy to use, cost efficient and compatible with many Real-time PCR instruments.

Reagents	Vol. per Tube (µl)
2X Master Mix (with EvaGreen)	1100 µl
2X Master Mix (with EvaGreen)	550 µl
FMF Mix 1 (E148Q-M694V Wildtype)	110 µl
FMF Mix 2 (E148Q-M694V Mutant)	110 µl
FMF Mix 3 (V726A-M680I -P369S Wildtype)	110 µl
FMF Mix 4 (V726A-M680I -P369S Mutant)	110 µl
Multiplexer Solution	750 µl