



# Familial Mediterranean Fever StripAssay<sup>®</sup>

The easy way to test for Familial Mediterranean Fever using established innovations in diagnostics

**Familial Mediterranean Fever Assay.**  
**Key to efficient therapy.**

Familial Mediterranean Fever (FMF) is the most common inherited inflammatory disorder. Recurrent bouts of fever and painful inflammation in the abdomen, chest or joints, typically lasting 12 to 72 hours, characterize the condition. The most severe complication of FMF is amyloidosis, a build-up of protein deposits that

ultimately leads to kidney failure. Prophylactic treatment with colchicine can prevent this and allow a normal life.

FMF is caused by mutations in the MEFV gene, which encodes a protein known as pyrin or marenostrin. The spectrum of mutations varies between different ethnic groups and affects the severity of FMF, as well as the risk of developing amyloidosis.

**The FMF StripAssay<sup>®</sup> offers an easy way to identify the most frequent mutations in the MEFV gene.**

Gene	Cellular Function	Status	Therapy	Quality of Life
MEFV	Control of inflammation	wildtype		+++
		mutated	✓	++

**The Assay**

## The ViennaLab FMF StripAssay<sup>®</sup> meets customer requirements

Requirement	ViennaLab's offer
Easy	Three simple steps. 6 h. Done.
Reliable	Can be automated. Probes for mutations and controls combined on one teststrip.
Versatile	Effective genotyping of DNA from various sample types.
Affordable	Reagents. Thermocycler. Incubator. That is all you need. A software is optional.

The ViennaLab FMF StripAssay<sup>®</sup> combines all these requirements. Better than any other assay currently on the market.

### The ViennaLab FMF StripAssay<sup>®</sup>

- is based on reverse-hybridization of biotinylated PCR products
- combines probes for mutations and controls in a parallel array of allele-specific oligonucleotides
- works with immobilized oligos on a teststrip
- generates test results by enzymatic color reaction easily visible to the naked eye

### Mutations detected

12 mutations in the MEFV gene: E148Q, P369S, F479L, M680I (G >C, G >A), I692 del, M694V, M694I, K695R, V726A, A744S, R761H

### The three steps of the ViennaLab FMF StripAssay<sup>®</sup>

Step	Requirement
<b>1. Amplification:</b> Multiplex PCR-amplification. Simultaneous biotin-labeling	Thermocycler
<b>2. Hybridization:</b> Directly on the StripAssay <sup>®</sup> teststrips	Incubator
<b>3. Identification:</b> Labeled products detected by streptavidin-alkaline phosphatase	Naked eye or scanner & software

Cat.no.: FMF StripAssay<sup>®</sup>: 4-230 (20 tests/kit)

**ViennaLab offers StripAssays<sup>®</sup> for a wide range of diagnostic applications. Visit [www.viennalab.com](http://www.viennalab.com)**

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