

Devyser HFE v2

Key advantages of the Devyser HFE v2:

- Simultaneously identifies the three most important HFE mutations and the corresponding wild types
- Speed and Ease of use: Single tube PCR minimizes hands-on time
- Accurate and Efficient: Single tube PCR reduces laboratory workload and analysis times while minimizing the risk of sample mix up

Hereditary hemochromatosis

Hereditary hemochromatosis (HH) is a common autosomal recessive disorder of iron metabolism resulting in progressive accumulation of iron. Excess iron is deposited in a variety of organs leading to irreversible tissue damage, particularly in the liver and pancreas. The symptoms include liver cirrhosis, cardiomyopathy, hepatomas, diabetes, arthritis, and hypogonadotropic hypogonadism.

Classic or type 1 HH is caused by mutation in the HFE gene on chromosome 6p21.3. More than 80% of HH patients carry homozygous C282Y mutation.

In addition, an increased risk of developing HH has also been shown in individuals where the compound heterozygosity C282Y/H63D is present. The findings are similar for individuals that are heterozygous for S65C and C282Y.



Diagnosis and treatment

Confirmatory diagnostic testing to diagnose or rule out HH should be carried out for symptomatic individuals with biochemical evidence of iron overload. Early diagnosis of the disease is crucial since severe effects of the disease may occur if the condition is left untreated. Removal of excess iron by therapeutic phlebotomy decreases morbidity and mortality if instituted early in the course of the disease.

Indications for Devyser HFE v2

- Patients with HH
- Patients with early HH symptoms
- Identification of carriers in affected families
- Differential diagnosis in chronic viral hepatitis or alcohol-induced liver damage

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Technical Specification

Intended Use	The Devyser HFE v2 kit is an in-vitro diagnostic product for identification of mutations in the HFE gene
CE - labelled for IVD use	Yes
HFE mutations detected	C282Y, H63D, S65C
Compatible Genetic Analysers:	ABI/Life Technologies Capillary electrophoresis instruments: 310, 3100, 3130, 3500, 3730
Reaction volume	12,5 µL
DNA input	50 – 150 ng / PCR reaction
Ready to use for PCR	Yes
Kit size	48 test
Article No.	8-A030.2
Accessories	DNA Size marker: 560 SIZER ORANGE (Art. No.:8-A402)

About Devyser

Devyser AB is specialized in the development, manufacturing and sales of diagnostic kits and reagents based on DNA analytical procedures, including PCR.

Devyser AB operates under strict quality control protocols and has an ISO13485:2012 (medical device) certification. Products are CE-labelled according to IVDD 98/79/EC for use in in-vitro diagnostic procedures. The main areas of application for our products are prenatal diagnostics and clinical genetics.