Hereditary Hemochromatosis

Imbalance of iron metabolism

Your molecular genetic test systems for the reliable analysis of hereditary hemochromatosis (HH) from blood:
GenoType HH
FluoroType® HH C282Y
FluoroType® HH H63D

Your benefits of using HH diagnostics from Hain Lifescience

- **Definite result:** With the detection of certain genotypes, suspected hereditary hemochromatosis can be confirmed or excluded.
- **Efficient processing:** The possibility to combine the test systems with other products from Hain Lifescience enables simultaneous processing of different human genetic parameters. This facilitates optimal integration of the tests into your routine laboratory testing.
- **Optimal service:** We support the integration of our test systems in your laboratory routine. Besides extensive product and device instructions, we also offer maintenance of our devices at attractive conditions.
- **CE-marked:** No need for elaborate validation studies.

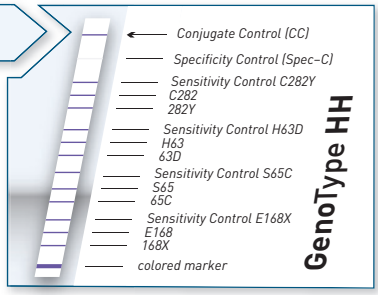
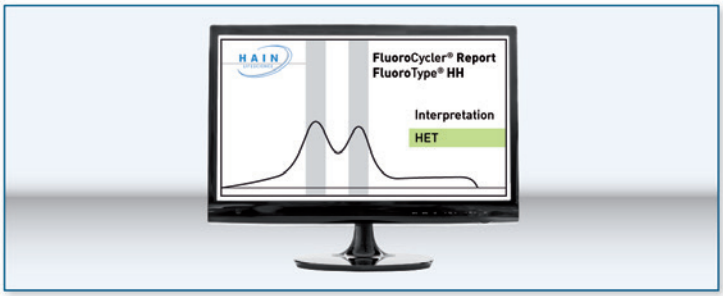
Facts

Five out of a thousand people have an increased risk of developing hereditary hemochromatosis (HH). The disease results in a disruption in iron absorption due to genetic changes, and too much iron is absorbed from food. Since humans do not have an active excretion mechanism for iron, excess iron is stored in organs such as the liver, heart and pancreas. This leads to an impairment of the affected organs and severe organ damage results. To prevent this, early diagnosis of hereditary hemochromatosis is of crucial importance.

The HFE gene is closely associated with HH. Various mutations in this gene can lead to iron overload. The most frequent is the C282Y mutation; more than 80 % of all HH patients are homozygous for C282Y. In addition, an increased risk of disease can be demonstrated with the appearance of the compound heterozygote C282Y/H63D.

To diagnose or rule out hereditary hemochromatosis, persons with for example abnormal serum iron markers and unexplained liver or heart disease should undergo genetic testing. If the disease is present, the goal of treatment is to remove the excess iron from the body. One simple therapeutic measure involves regular bloodletting.

Choose your test system for the reliable diagnostics of hereditary hemochromatosis!

Starting material	DNA isolated from EDTA-/Citrate blood		
Technology	**DNA•STRIP Technology**	**FluoroType® Technology**	
Display of result			
Test system	**GenoType HH**	**FluoroType® HH C282Y**	**FluoroType® HH H63D**
Detection	Mutations C282Y, H63D, S65C, E168X	Mutation C282Y	Mutation H63D

For further information please contact Hain Lifescience or your local distributor!

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Hain Lifescience GmbH

Hardwiesenstrasse 1 | 72147 Nehren | Germany
Tel.: +49 (0) 74 73- 94 51- 0 | Fax: +49 (0) 74 73- 94 51- 31
E-Mail: info@hain-lifescience.de | www.hain-lifescience.de

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