Cystic fibrosis

Devyser CFTR Iberia

Discover the advantages

- Designed for testing Iberian populations
- Detects normal and mutant alleles
- Built-in ID marker enables cross-mix sample identity confirmation
- Cost-effective solution with less hands-on time required

Cystic fibrosis and CFTR

Mutations in the CFTR gene may cause cystic fibrosis (CF). One in 25 people of European descent carries a mutated CFTR allele and 1 in every 2,000-3,000 newborns is found to be affected by CF. CFTR mutation testing can be used as an aid in newborn screening, CF diagnosis and reproductive decisions, allowing clinicians to determine if an abnormal diagnostic result is due to a mutation within the CFTR gene. Other disorders related to CFTR dysfunction include male infertility caused by CBAVD and acute recurrent or chronic pancreatitis.

Cystic fibrosis molecular diagnostics

More than 2,000 mutations and variants in the CFTR gene have been described. The vast majority of mutations have a population frequency below 0.1 % with high heterogeneity of mutation distribution between different ethnic groups.

Devyser CFTR Iberia

The Devyser CFTR Iberia kit has been designed to detect the most common mutations found in Spanish and Portuguese populations in addition to the mutations covered by the Devyser CFTR Core kit. The genotypes the normal and mutant alleles at 15 loci of the CFTR gene using purified human genomic DNA. Genotype coverage includes a panel of 15 mutations to support the detection of mutations specifically found in Spanish and Portuguese populations. The Devyser CFTR Iberia kit also includes the analysis of cross-mix ID markers for sample identity confirmation compatible with all Devyser CFTR products.

Technical specifications

Intended use:
Qualitative genotyping of a panel of normal and mutated alleles in the cystic fibrosis transmembrane conductance regulator (CFTR) gene in human genomic DNA.

CE- labelled for IVD use

Compatible Genetic Analysers:
Thermo Fisher's capillary electrophoresis instruments: ABI 310, ABI 3130, ABI 3500, ABI 3730

Ready to use for PCR

Kit size:
48 tests

Article number:
8-A033

DNA Size marker:
560 SIZER ORANGE (Art. No.: 8-A402)

Mutations detected:
Q1100P, M1101K, 1812-1G>A, 1609delCA, 1898+3A>G, R709X, V232D, S549R (T>G), L206W, P205S, H199Y, 712-1G>T, 2869insG, 1811+1,6kbA>G, Q890X

Contact

Instrumentvägen 19
SE-12653 Hägersten
Sweden
Tel: +46-(0)8-562 158 50
Fax: +46-(0)8-32 64 88
Web: www.devyser.com
Email: info@devyser.com

© Devyser AB 2016. 7-B033. v.16-05-14

Devyser. Results for life.

Devyser is specialized in the development, manufacture and sales of diagnostic kits for complex DNA testing within Oncology, Reproductive Health and Hereditary Diseases. The products are used to guide targeted cancer therapies, to enable rapid prenatal diagnostics as well as in a wide array of genetic tests. Devyser's product development focuses on simplifying and streamlining complex testing processes to improve throughput, reduce hands-on time and produce accurate and trusted results.

DEVYSER
RESULTS FOR LIFE