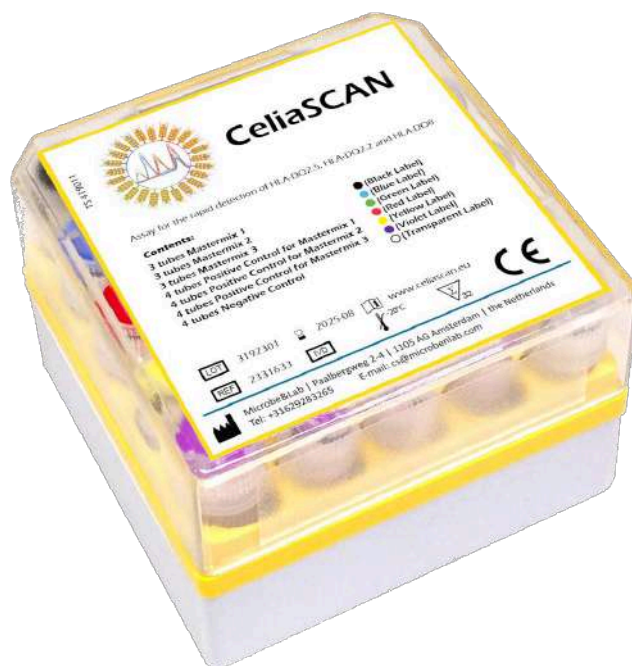


CeliaSCAN

A host genetic HLA-DQ assay for Celiac Disease susceptibility

CeliaSCAN is an easy to use multiplex real-time PCR Assay and Melting Curve Analysis for the in vitro detection of strongly Celiac Disease-associated human leukocyte antigen (HLA)-DQ2.5, HLA-DQ2.2, and HLA-DQ8.



Unique features

- Fast and accurate assay with a turnaround time of 90 minutes
- Sensitivity and specificity of ~100%
- Distinction can be made between HLA DQ2.2 and HLA DQ2.5.
- Distinction between HLA DQ2.5 homozygotes from HLA DQ2.5 heterozygotes.
- Online software tool for the analysis of the results in seconds, therefore manual interpretation of results is no longer necessary, however manual interpretation possible following the IFU
- 32 tests per kit
- CE-IVDD since 2017, CE-IVDR expected in May 2024, Indian FDA expected in September 2024

CeliaSCAN workflow



Collect a sample



Isolate DNA



Perform PCR &
Melting-curve
analysis



Online report in
seconds



Follow up

diagnostics & services

powered by **microbe & lab**

Celiac Disease

Celiac Disease is an autoimmune disease caused by an inappropriate immune response to dietary gluten. 90% of patients with celiac disease express the HLA-DQ2.5 heterodimer. Of the remaining 10% most carry the HLA-DQ8 or HLA-DQ2.2 heterodimers. Absence of these heterodimers is a very strong negative predictor of celiac disease.

The worldwide diagnostic prevalence of celiac disease is approximately 1%, however most CD remains undetected and therefore the expected worldwide prevalence is expected to be around 8%.

HLA facts

90% of patients with celiac disease express the HLA-DQA1*05, HLA-DQB1*02 heterodimer (HLA-DQ2.5). Of the remaining 10% most carry the HLA-DQA1*03, HLA-DQB1*03:02 heterodimer (HLA-DQ8). Some of the patients with celiac disease express the HLA-DQA1*02, HLA-DQB1*02 heterodimer (HLA-DQ2.2).

Absence of these haplotypes is a strong negative predictor of celiac disease. Individuals homozygous for HLA-DQ2.5 have the highest genetic risk for developing celiac disease.

Experience

CeliaSCAN has been developed by a team of experts with more than 30 years of experience in Celiac Disease research, HLA-DQ genotyping and patient care under supervision of Prof. A. Salvador Peña who was bestowed a medal to become "Knight of the Order of the Netherlands Lion" in September, 2000 on his merits of his dedication in Celiac disease research and patient care.

More information

For more information contact your local account manager or email Microbe&Lab at cs@microbenlab.com.



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