

GENVINSET

GENVINSET® LINE

GENVINSET® HLA CELIAC

Product code:

GVS-DQ-48



CE-IVD
2797

MOLECULAR DETERMINATION OF HLA ALLELES ASSOCIATED WITH CELIAC DISEASE

kit for the detection of alleles DQB1*02, DQB1*03:02 and DQA1*05 of HLA system by Real Time PCR using TaqMan® probes technology

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INTRODUCTION

Susceptibility to gluten sensitivity is, in part, genetically determined. The strong predisposition is associated with HLA-DQ alleles, encoding the α and β chains of two molecules of the Major Histocompatibility Complex (MHC) class II.

In most populations studied, 90-95% of patients carry the HLA-DQ2 heterodimer encoded by the alleles DQA1*05 and DQB1*02 in cis position or in trans position. The remaining patients (5-10%) usually carry a second heterodimer, HLADQ8 (majority among South American indigenous patients), encoded by the alleles DQA1*03:01 and DQB1*03:02. It is estimated that only 0.5% of celiac patients aren't DQ2 or DQ8.

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INTENDED USE

Genvinset® HLA CELIAC is a kit designed for the detection of the HLA-DQB1*02, DQB1*03:02 and DQA1*05 alleles in genomic DNA extracted from whole blood, and the consequent determination of the DQ2 and DQ8 antigens, associated with celiac disease predisposition. The kit is able to determine the homozygosity or heterozygosity status. The analysis is based on real-time PCR technology, using TaqMan® probes.

Patients who can benefit from this determination are those referred by a specialist. The results of this test should not be the only ones on which the therapeutic decision is based and should be used as an aid in the diagnosis together with results of other markers of the disease.

The intended user of the kit is technical personnel trained to carry out the protocol and the interpretation of results described in this document.



RESULTS

