



Gluten DQuick DResolution

(REF: RT-59v3)

CE IVD test for the identification of HLA DQ2 (DQ2.2 and DQ2.5), DQ8, DR3, DR4, DR7, DR11 and DR12 haplotypes, by Real-Time PCR

WHAT IS CELIAC DISEASE?

Celiac disease is a chronic immune disease consisting in an altered response to gluten that leads to damage in the small intestine in subjects carrying certain gene variants.

Among these, the most important are represented by particular HLA alleles.

WHY GENETIC TESTING FOR CELIAC DISEASE?

HLA typing in Celiac disease is a genetic susceptibility test that evaluates the predisposition of an individual to develop the disease. The test can discriminate genetically susceptible or non-susceptible individuals to the disease long before any serological or clinical signs appear.

The analysis of HLA susceptibility genes has especially a negative predictive value. Individuals missing risk alleles are unlikely to develop Celiac disease.

Clonit Gluten **DQuick DResolution** test is integrated with the UgenTec Fast Finder software that automates results interpretation and allows a fast and accurate identification of the haplotypes in the analyzed patient.

PEDIATRIC PATIENTS

Gluten **DQuick DResolution** is validated for use starting from buccal swab. It is a safe and non-invasive test that can be used with pediatric patients

ONLY 4 REACTIONS

Gluten **DQuick DResolution** allows the detection of HLA DQA1*02, DQA1*03, DQA1*05 - DQB1*02, DQB1*0302 - DRB1*03 - DRB1*04 - DRB1*07 - DRB1*11 - DRB1*12 haplotypes, with only 4 Multiplex Real-Time PCR reactions

SOFTWARE FAST FINDER

Fast Finder is a web-based software that allows the operator an easier analysis of the results. Based on the latest generation of security algorithms, it guarantees high standards of data protection



Gluten DQuick DResolution

Gluten DQuick DResolution allows the identification of HLA DQ2 (DQ2.2 and DQ2.5), DQ8, DR3, DR4, DR7, DR11 and DR12 haplotypes, by Real-Time PCR. Specifically the kit allows the genotyping of the alleles: HLA DQA1*02, DQA1*03, DQA1*05 - DQB1*02, DQB1*0302 - DRB1*03 - DRB1*04 - DRB1*07 - DRB1*11 - DRB1*12, after genomic DNA extraction from biological samples

GENERAL INFORMATION

- **Starting samples:** DNA extracted from Blood EDTA and Buccal Swab
- **Package:** 48/96 tests
- **Extracted DNA volume:** 5 µL
- **DNA Manual extraction:** QIAmp DNA mini kit (QIAGEN)
- **DNA Automatic extraction and PCR plate set-up:** QIASymphony SP/AS Robotic Workstation
- **Validated Real-Time PCR Systems:**
Rotor-Gene Q MDx (QIAGEN)
CFX96 Real-Time PCR Detection System-IVD (Bio-Rad)
- **UgenTec Fast Finder software:** allows a fast and accurate automatic identification of the haplotypes
- **The kit includes all reagents for the Real-Time PCR amplification:** Internal Control (β-Globin), Positive Controls and Negative Controls

Gluten DQuick DResolution includes 4 multiplex reactions according to the following scheme:

MIX	CONTROLS
HLA DQ2	DQA1*02, DQA1*05 and DQB1*02
HLA DQ8	DQA1*03, DQB1*0302 and IC (β-Globin)
HLA DR3, DR4	DRB1*03 and DRB1*04
HLA DR7, DR11 and DR12	DRB1*07, DRB1*11 and DRB1*12

INFORMATION FOR ORDERS

DESCRIPTION	REF.	REGULATORY	TESTS
Gluten DQuick DResolution	RT- 59v3	CE IVD 0381	48/96 tests
Plug-in Analyze Software	PL-01	CE-IVD	