



## CHORUS CELIAC PANEL

Monotest for celiac disease diagnosis



**DIESSE**

# CHORUS celiac disease panel

Celiac disease is a chronic auto-immune disorder that causes a severe inflammation and damage of the small intestine mucosa.

It is a multifactorial disease, including **genetic and environmental factors** and is caused by gluten intake in susceptible people. Symptoms can include gastrointestinal manifestations (i.e., diarrhea, abdominal pain and constipation), chronic dermatitis and defects related to abnormal intestinal absorption. A set of genetic, autoimmune and neurological disorders are associated with celiac disease.

The global prevalence is around 1%, even if many cases remain undiagnosed due to atypical, minimal or even absent symptoms.

**Gliadin** is a component of gluten, a protein present in several cereals such as wheat, barley and rye. In patients affected by celiac disease, gliadin peptides pass through the epithelial barrier and reach the connective tissue of lamina propria, where they can be deamidated by **tissutal transglutaminase (tTG)** enzyme.

Due to genetic susceptibility, these molecules are recognised as immunogenic and cause the activation of T cells, producing high levels of pro-inflammatory cytokines, and of B cells, that secrete anti-gliadin, anti-deamidated-gliadin and anti-tTG antibodies. The detection of EMA anti-endomysium antibodies by indirect immunofluorescence test (IFT) is used as confirmatory test.

**CHORUS allows the diagnosis and monitoring of celiac disease** thanks to six semiquantitative kits available in monotest, with the discrimination of **IgA and IgG isotypes**.

## CHORUS advantages



**Single test  
ready to  
use device**



**Random  
access  
system**



**Safe and  
easy to use**



**No hidden costs  
No waste of  
reagents**

## Main assay features

- **Calibrator and control included** in the kits
- **Calibration** required **only at lot change**
- **Sample type:** serum
- **Monotest format**
- **12 or 36 tests** in monotest format available for all kits



NAME	TEST	CODE
CHORUS DEAMIDATED GLIADIN-A	12 or 36	86098/12 – 86098
CHORUS DEAMIDATED GLIADIN-G	12 or 36	86100/12 – 86100
CHORUS GLIADIN-A	12 or 36	86054/12 – 86054
CHORUS GLIADIN-G	12 or 36	86056/12 – 86056
CHORUS tTG-A	12 or 36	86058/12 – 86058
CHORUS tTG-G	12 or 36	86060/12 – 86060