



We Apply Science



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NEW

Deamidated Gliadin IgA ELISA kit

Product Code: DGLA02-96

Deamidated Gliadin IgG ELISA kit

Product Code: DGLG02-96

D-tek is pleased to announce the launching of 2 new ELISA kits for the quantitative detection of IgA and IgG antibodies against **deamidated gliadin** in Celiac Disease patients

Recent evidence has shown that the use of deamidated gliadin peptides in immunoassays, compared to conventional (crude) gliadin, significantly improves the sensitivity and the specificity of anti-gliadin antibodies in the diagnosis of celiac disease.

Our deamidated gliadin antigen is prepared *in vitro* by a deamidation process that is very similar to what occurs *in vivo* in the digestive tract:

Crude gliadin extracted from wheat gluten is first partially digested by proteases and the resulting peptides mixture then undergoes a selective deamidation by natural tissue transglutaminase. The transglutaminase is finally removed from the preparation at the end of the process to guarantee the specificity for anti-gliadin antibodies.

Compared to restricted synthetic peptide sequences used by other manufacturers, our whole deamidated gliadin antigen ensures that all the epitopes recognized by specific antibodies in celiac patients are expressed, for optimum sensitivity of the test.

Please note that D-tek will continue to produce its popular conventional Gliadin IgA and IgG ELISA kits (ref. GLA02-96 and GLG02-96) parallel to the new deamidated equivalents.