

Accession No:



Genova
Diagnostics®
Europe

Gluten Sensitivity Screen (Coeliac Screen)

Practitioner Details

Genova Diagnostics (Europe)
Parkgate House
356 West Barnes Lane
New Malden
Surrey
KT3 6NB

Patient Details

Ms Sample Report
Parkgate House
356 West Barnes Lane
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Client ID No: IWX500220
Accession No:
Patients DOB: 02/03/1975
Sample Date:
Date Of Report: 25/06/2008

IgA Tissue Transglutaminase antibodies

	Negative	Positive	
tTGA IgA			
Reference Range:	<20.0	>=20.0	mmol/L

30.5

Commentary

Gluten-sensitive enteropathy (GSE) is caused in predisposed individuals by consumption of gluten-containing cereal products. The disease is characterised by atrophy of the small-intestinal villi, chronic diarrhoea, and the consequences of malabsorption, such as underweight, steatorrhoea, and vitamin deficiencies. Some patients additionally suffer from **dermatitis herpetiformis** - a recurrent skin disease characterised by blisters, which can also occur on its own. More recently evidence suggests that **neurological tissue** may also be targeted in this condition.

The prevalence of symptomatic GSE varies from country to country but **latent coeliac disease**, which has a frequency of 1:300, represents a serious problem.

An important contribution to the diagnosis of GSE is the serological investigation of **autoantibodies against transglutaminase** (the target antigen of endomysial antibodies). This confirms a clinical diagnosis of symptomatic coeliac disease, reveals latent coeliac disease, and is also used to identify a disposition to GSE in relatives of coeliac disease patients. Antibodies against transglutaminase virtually never occur in healthy individuals or in patients with other intestinal diseases, whereas in untreated GSE their prevalence is almost 100%.

Most patients with GSE also show **antibodies against gliadin**. These are useful for monitoring the course of disease and for tracking a gluten-free diet or gluten-loading tests. However such antibodies, in particular IgG class, are often found in healthy individuals and other conditions.

Reported by: NRA