

Labmaster ELISA test

Anti-Gliadin IgA and IgG Kits.



Coeliac disease is defined as permanent intolerance to wheat gluten and its gliadin fraction. Determination of class-specific anti-gliadin antibodies IgA and IgG are used for screening of coeliac disease and for monitoring the therapeutic effect of the gluten-free diet.

Anti-Gliadin IgA and IgG Kits

Serum (S-Gli-AbA, S-Gli-AbG)

Contents:

- 96 wells in microtiter strips
- Positive reference and negative control
- All components in ready for use form

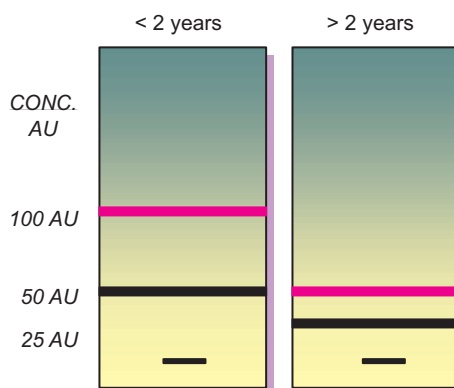
Properties:

- All reactions at room temperature
- Hands on -time 30-45 minutes
- Total assay time 3 hours
- Shelf life 1 year at +4 °C

Performance characteristics:

Labmaster ELISA kits for IgA and IgG antibodies give quantitative results. Results are expressed as arbitrary units (AU) expressed as percentage of the positive reference.

Interpretation of results for gliadin IgA- and IgG-antibodies with age dependent reference limits as guidelines.



Reference limits have been established for two age groups separately. The borderline between the age groups goes at two years of age. By comparing the results for a patient sample with cut off limits for the proper age sensitivity is optimized. The results can be used as an aid in the clinical diagnosis of coeliac disease.

Sensitivity and specificity of IgA and IgG anti gliadin ELISA (>2 years of age).

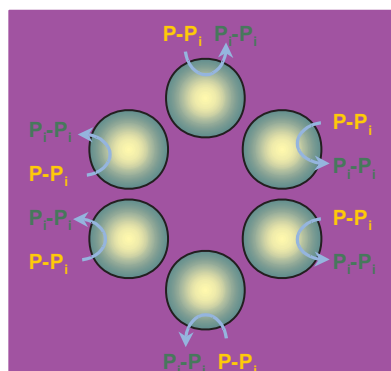
Limit of positive result	25 AU/ml weak positive		50 AU/ml strong positive	
	Sensi- tivity	Speci- ficity	Sensi- tivity	Speci- ficity
IgA	93.4%	81.2%	82.4%	95.5%
IgG	82.9%	77.8%	63.6%	87.5%
IgA+IgG	82.9%	77.8%	63.6%	87.5%

Enzyme Label:

Inorganic pyrophosphatase

- Sensitive enzyme label
- Stable enzyme and enzyme conjugates
- Noncarcinogenic colour reagents
- Room temperature reactions
- Clearly visible colour reaction from yellow to green
- Measurement with microtiter plate reading photometer at 620 nm

Colour reaction principle: One inorganic Pyrophosphatase molecule cleaves 6 pyrophosphates to 12 phosphate molecules.



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