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Overview

Zonulin stool test

Product number: MV2123



Price

€45.00

Prices incl. VAT plus shipping costs

Description

Zonulin is a marker of a potentially increased permeability of the intestinal epithelial cells and can provide indications of disease

If the gut is improperly colonised, the gut flora can only fulfil its physiological functions to a limited extent. The resulting disturbance of the microbial barrier ultimately leads to pathomechanisms that cause latent inflammatory changes of the mucosa and subsequent permeability disturbances. This makes it easier for pathogenic bacteria, viruses, fungi or parasites, in the context of microecological imbalances, to penetrate mucosal receptors, multiply more rapidly and trigger infections.

Depending on the species of the microbe, microbial metabolism ultimately produces either substrates that are

beneficial for the intestinal environment or ones that harm the system in various ways. A loosening of the "tight junctions" in the intestinal epithelium leads to an increased permeability of the mucosa, which is known as leaky gut. Thus many molecules can cross from the gastrointestinal tract into the bloodstream and elicit various reactions.

Endotoxin plays a special role. This molecule, also called lipopolysaccharide (LPS), comes from the surface of gram-negative bacteria and acts as an inflammatory marker. A chronic overload of the blood with LPS can lead to a so-called 'silent inflammation'. This constant inflammatory state can promote further conditions such as metabolic syndrome, obesity, type 2 diabetes or atherosclerosis. The LPS concentration in the blood can be determined directly using laboratory diagnostic methods.

Zonulin, a protein, binds to specific receptors on the intestinal epithelial cells. This triggers a series of biochemical processes that lead to the opening of the tight junctions and an increased permeability of the intestinal epithelial cells. In patients with active coeliac disease, levels of zonulin and zonulin antibodies are elevated. Furthermore, many coeliac patients are affected by other autoimmune diseases, such as insulin-dependent diabetes, multiple sclerosis and rheumatoid arthritis. It is believed that elevated zonulin levels are a decisive influencing factor in this.

The evaluation forms the basis for a tailored therapy, which should only be carried out after consultation with a doctor or therapist.

The test kit includes:

- 1 sample collection guide
- 1 guide to retrieving results
- 1 sample submission form
- 1 guarantee certificate
- 1 sample container including label in a shipping container
- 1 stool collector
- 1 shipping envelope

How does the ordering process work?

After placing your order, the requested test kit will be sent to you with detailed instructions. You put your sample into a sample container, send it in a prepared envelope to Medivere's partner laboratory GANZIMMUN Diagnostics GmbH and receive a result with the assessment of your profile after 5–7 days.

Product information

Type of test:	Stool test
Product type:	Medical device