



Verisana LAB · c/o Brian Kalish · 818 N Quincy Street ·
Unit 806 · Arlington VA 22203

John Smith
1234 Main Street
ANYTOWN CA 98745

**Surname,
First name** Smith, John

DOB 02/02/1979

Sex male

Laboratory # 200111111

Date collected 01/30/2016

Date received 02/01/2016


Report date 02/07/2016

Laboratory report

Enclosed you will find the results of your laboratory examination. In addition to your results you will also receive a brief summary of the correlating effects, regarding the tested parameters. These are compiled without any knowledge on the clinical background and as such, may only be used as an interpretation aid. In case of health problems, please consult a doctor or practitioner for medical treatment and accompaniment for making the best decisions for your health. We explicitly warn against beginning, suspending or changing any medication or therapy without consulting your doctor or practitioner.

Test: Zonulin

Sample material: stool

Analyte	Result	Reference range	Result
Zonulin	112	<78ng/ml	



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Zonulin is a protein molecule involved in the regulation of intercellular tight junctions in the intestinal wall. When it binds to specific receptors on the cell surface, the tight junctions open and as a result increase the permeability of the intestinal epithelial cells. This can be caused by certain bacteria, an interrupted intestinal mucus layer, missing muconutritive flora or contact with gliadin. The influx of foreign antigens and cell components can trigger immunological reactions and dysregulation. Elevated levels can be found in type 1 diabetes, autoimmune diseases, celiac disease, multiple sclerosis, rheumatoid arthritis and other chronic conditions.

Yours sincerely,
Your laboratory team