S1 Table. Plasma or serum CUSABIO and Immundiagnostik commercial assay use in publications. Google Scholar and PubMed search term: "zonulin." Content was last updated August 7, 2018.

Assay	Author (Year)	Title	Journal
CUSABIO	Çakir M et al.	Effects of long-term symbiotic supplementation	The Turkish Journal
	(2017)	in addition to lifestyle changes in children with	of Gastroenterology
		obesity-related non-alcoholic fatty liver	
		disease.	
CUSABIO	Dong S et al.	Protective effect of 1, 25-dihydroxy vitamin D3	Digestive Diseases
	(2018)	on pepsin-trypsin-resistant gliadin-induced	and Sciences
		tight junction injuries.	
CUSABIO	Feuerecker M	Headache under simulated microgravity is	Pain
	et al. (2016)	related to endocrine, fluid distribution, and	
		tight junction changes.	
CUSABIO	Greis C et al.	Intestinal T lymphocyte homing is associated	Critical Care
	(2017)	with gastric emptying and epithelial barrier	
		function in critically ill: a prospective	
		observational study.	
CUSABIO	Jayashree B et	Increased circulatory levels of	Molecular and
	al. (2013)	lipopolysaccharide (LPS) and zonulin signify	Cellular
		novel biomarkers of proinflammation in	Biochemistry
		patients with type 2 diabetes.	

CUSABIO	Küme T et al.	The relationship between serum zonulin level	Journal of Clinical
	(2017)	and clinical and laboratory parameters of	Research in Pediatric
		childhood obesity.	Endocrinology
CUSABIO	Küme T et al.	The relationship between serum zonulin level	Journal of Clinical
	(2017)	and clinical and laboratory parameters of	Research in Pediatric
		childhood obesity.	Endocrinology
CUSABIO	Mall JPG et	Are self-reported gastrointestinal symptoms	BMC Geriatrics
	al. (2018)	among older adults associated with increased	
		intestinal permeability and psychological	
		distress?	
CUSABIO	Ramos CI et	Effect of prebiotic (fructooligosaccharide) on	Nephrology Dialysis
	al. (2018)	uremic toxins of chronic kidney disease	Transplantation
		patients: a randomized controlled trial.	
CUSABIO	Zhang D et al.	Circulating zonulin levels in newly diagnosed	Diabetes Research
	(2014)	Chinese type 2 diabetes patients.	and Clinical Practice
Immundiagnostik	Barceló A et	Gut epithelial barrier markers in patients with	Sleep Medicine
	al. (2016)	obstructive sleep apnea.	
Immundiagnostik	Carrera-	Serum zonulin and endotoxin levels in	Aging and Disease
	Bastos P et al.	exceptional longevity versus precocious	
	(2018)	myocardial infarction.	
Immundiagnostik	Chuanwei L et	Zonulin regulates intestinal permeability and	Scientific Reports
	al. (2016)	facilitates enteric bacteria permeation in	
		coronary artery disease.	

Immundiagnostik	Chwist A et	A composite model including visfatin, tissue	Polish Archives of
	al. (2014)	polypeptide-specific antigen, hyaluronic acid,	Internal Medicine
		and hematological variables for the diagnosis	
		of moderate-to-severe fibrosis in non-alcoholic	
		fatty liver disease: a preliminary study.	
Immundiagnostik	Damms-	Gut permeability is related to body weight,	The American
	Machado A et	fatty liver disease, and insulin resistance in	Journal of Clinical
	al. (2017)	obese individuals undergoing weight reduction.	Nutrition
Immundiagnostik	de Roos et al.	The effects of a multispecies probiotic on	European Journal of
	(2017)	migraine and markers of intestinal permeability	Clinical Nutrition
		- results of a randomized placebo-controlled	
		study.	
Immundiagnostik	Ficek J et al.	Relationship between plasma levels of zonulin,	International
	(2017)	bacterial lipopolysaccharides, D-lactate and	Urology and
		markers of inflammation in haemodialysis	Nephrology
		patients.	
Immundiagnostik	Gentser L et	Increased jejunal permeability in human	The Journal of
	al. (2018)	obesity is revealed by a lipid challenge and is	Pathology
		linked to inflammation and type 2 diabetes.	
Immundiagnostik	Gerdes S et al.	Zonulin may not be a marker of autoimmunity	Acta Dermato
	(2011)	in patients with psoriasis.	Venereologica
Immundiagnostik	Houttu N et	Overweight and obesity status in pregnant	Clinical Nutrition
	al. (2017)	women are related to intestinal microbiota and	
		serum metabolic and inflammatory profiles	

Immundiagnostik	Hunt P et al.	Gut epithelial barrier dysfunction and innate	The Journal of
	(2014)	immune activation predict mortality in treated	Infectious Diseases
		HIV infection.	
Immundiagnostik	Józefczuk J et	The occurrence of antibodies against gluten in	Journal of Medicinal
	al. (2018)	children with autism spectrum disorders does	Food
		not correlate with serological markers of	
		impaired intestinal permeability.	
Immundiagnostik	Karhu E et al.	Exercise and gastrointestinal symptoms:	European Journal of
	(2017)	running-induced changes in intestinal	Applied Physiology
		permeability markers of gastrointestinal	
		function in asymptomatic and symptomatic	
		runners.	
Immundiagnostik	Kim AS et al.	Plasma concentrations of zonulin are elevated	Diabetes, Metabolic
	(2018)	in obese men with fatty liver disease.	Syndrome and
			Obesity: Targets and
			Therapy
Immundiagnostik	Kim JH et al.	Zonulin level, a marker of intestinal	Clinica Chimica
	(2018)	permeability, is increased in association with	Acta
		liver enzymes in young adolescents.	
Immundiagnostik	Kim S et al.	Imbalance of gut microbiome and intestinal	Clinical Science
	(2018)	epithelial barrier dysfunction in patients with	
		high blood pressure.	
Immundiagnostik	Klaus DA et	Increased plasma zonulin levels in patients with	Biochemica Medica
	al. (2013)	sepsis.	(Zagreb)

Immundiagnostik	Koay WLA et	Intestinal integrity biomarkers in early	The Journal of
	al. (2018)	antiretroviral-treated perinatally HIV-1-intected	Infectious Diseases
		infants.	
Immundiagnostik	Kvehaugen	Is perceived intolerance to milk and wheat	BMC
	AS et al.	associated with the corresponding IgG and IgA	Gastroenterology
	(2018)	food antibodies? A cross sectional study in	
		subjects with morbid obesity and	
		gastrointestinal symptoms.	
Immundiagnostik	Lamprecht M	Effects of zeolite supplementation on	Journal of the
	et al. (2015)	parameters of intestinal barrier integrity,	International Society
		inflammation, redoxbiology and performance	of Sports Nutrition
		in aerobically trained subjects.	
Immundiagnostik	Li C et al.	Zonulin regulates intestinal permeability and	Scientific Reports
	(2016)	facilitates enteric bacteria permeation in	
		coronary artery disease.	
Immundiagnostik	Łukaszyk E et	Zonulin, inflammation and iron status in	International
	al. (2018)	patients with early stages of chronic kidney	Urology and
		disease.	Nephrology
Immundiagnostik	Łukaszyk M	Iron status and inflammation in early stages of	Kidney and Blood
	et al. (2015)	chronic kidney disease.	Pressure Research
Immundiagnostik	Malyszko et	Zonulin, iron status, and anemia in kidney	Transplantation
	al. (2014)	transplant recepients: are they related?	Proceedings

Immundiagnostik	Mokkala K et	Gut microbiota richness and composition and	The Journal of
	al. (2016)	dietary intake of overweight pregnant women	Nutrition
		are related to serum zonulin concentration, a	
		marker for intestinal permeability.	
Immundiagnostik	Mokkala K et	Evaluation of serum zonulin for use as an early	Nutrition and
	al. (2017)	predictor for gestational diabetes.	Diabetes
Immundiagnostik	Mokkala K et	Increased intestinal permeability, measured by	Metabolism
	al. (2017)	serum zonulin, is associated with metabolic	
		risk markers in overweight pregnant women.	
Immundiagnostik	Mokkala K et	The impact of probiotics and n-3 long-chain	Beneficial Microbes
	al. (2018)	polyunsaturated fatty acids on intestinal	
		permeability in pregnancy: a randomised	
		clinical trial.	
Immundiagnostik	Mondal D et	Contribution of enteric infection, altered	Clinical Infectious
	al. (2012)	intestinal barrier function, and maternal	Diseases
		malnutrition to infant malnutrition in	
		Bangladesh.	
Immundiagnostik	Moreno-	Circulating zonulin, a marker of intestinal	PLoS One
	Navarrete JM	permeability, is increased in association with	
	et al. (2012)	obesity-associated insulin resistance.	
Immundiagnostik	Mörkl S et al.	Gut microbiota, dietary intakes and intestinal	European Journal of
	(2018)	permeability reflected by serum zonulin in	Nutrition
		women.	

Immundiagnostik	Muñoz-Cano	Distinct transcriptome profiles differentiate	The Journal of
	R et al. (2017)	NSAID-dependent from NSAID-independent	Allergy and Clinical
		food anaphylaxis.	Immunology
Immundiagnostik	Mwape I et al.	Immunogenicity of rotavirus vaccine	PLoS One
	(2017)	(Rotarix TM) in infants with environmental	
		enteric dysfunction.	
Immundiagnostik	Ohlsson B et	Two meals with different carbohydrate, fat and	International Journal
	al. (2016)	protein contents render equivalent postprandial	of Food Sciences
		plasma levels of calprotectin, cortisol,	and Nutrition
		tryglycerides and zonulin.	
Immundiagnostik	Ohlsson B et	Calprotectin in serum and zonulin in serum and	Biomedical Reports
	al. (2017)	feces are elevated after introduction of a diet	
		with lower carbohydrate content and higher	
		fiber, fat and protein contents.	
Immundiagnostik	Ohlsson B et	Higher levels of zonulin may rather be	International Journal
	al. (2017)	associated with increased risk of obesity and	of Molecular
		hyperlipidemia, than with gastrointestinal	Sciences
		symptoms or disease manifestations.	
Immundiagnostik	Orlando A et	Lactobacillus GG restoration of the gliadin	BMC Microbiology
	al. (2014)	induced epithelial barrier disruption: the role of	
		cellular polyamines.	
Immundiagnostik	Ott B et al.	Effect of caloric restriction on gut permeability,	Scientific Reports
	(2017)	inflammation markers, and fecal microbiota in	
		obese women.	

Immundiagnostik	Ott B et al.	Short-term overfeeding with dairy cream does	The Journal of
	(2018)	not modify gut permeability, the fecal	Nutrition
		microbiota, or glucose metabolism in young	
		healthy men.	
Immundiagnostik	Pacifico L et	Increased circulating zonulin in children with	World Journal of
	al. (2014)	biopsy-proven non-alcoholic fatty liver disease.	Gastroenterology
Immundiagnostik	Pacifico L et	Increased circulating zonulin in children with	World Journal of
	al. (2014)	biopsy-proven non-alcoholic fatty liver disease.	Gastroenterology
Immundiagnostik	Pärtty A et al.	Infantile colic is associated with low-grade	Journal of Pediatric
	(2017)	systemic inflammation.	Gastroenterology
			and Nutrition
Immundiagnostik	Pei R et al.	Low-fat yogurt consumption reduces	British Journal of
	(2017)	biomarkers of chronic inflammation and	Nutrition
		inhibits markers of endotoxin exposure in	
		healthy premenopausal women: a randomised	
		controlled trial.	
Immundiagnostik	Qi Y et al.	Intestinal permeability biomarker zonulin is	Journal of the
	(2017)	elevated in healthy aging.	American Medical
			Directors
			Association
Immundiagnostik	Rees D et al.	A randomised, double-blind, cross-over trial to	British Journal of
	(2018)	evaluate bread, in which gluten has been pre-	Nutrition
		digested by prolyl endoprotease treatment, in	
		subjects self-reporting benefits of adopting a	
		gluten-free or low-gluten diet.	

Immundiagnostik	Ruiz-Núñez B	Higher prevalence of "low T3 syndrome" in	Frontiers in
	et al. (2018)	patients with chronic fatigue syndrome: a case-	Endocrinology
		control study.	(Lausanne)
Immundiagnostik	Russo F et al.	Inulin-enriched pasta improves intestinal	Nutrition Research
	(2012)	permeability and modifies the circulating levels	
		of zonulin and glucagon-like peptide 2 in	
		healthy young volunteers.	
Immundiagnostik	Russo F et al.	The effects of fluorouracil, epirubicin, and	BMC Cancer
	(2013)	cyclophosphamide (FEC60) on the intestinal	
		barrier function and gut peptides in breast	
		cancer patients: an observational study.	
Immundiagnostik	Sanches-	Role of gut microbiota on cardio-metabolic	Frontiers in
	Alcoholado L	parameters and immunity in coronary artery	Microbiology
	et al. (2017)	disease patients with and without type-2	
		diabetes mellitus.	
Immundiagnostik	Scorletti E et	Design and rationale of the INSYTE study: A	Contemporary
	al. (2018)	randomised, placebo controlled study to test the	Clinical Trials
		efficacy of a symbiotic on liver fat, disease	
		biomarkers and intestinal microbiota in non-	
		alcoholic fatty liver disease.	
Immundiagnostik	Sheen YH et	Serum zonulin is associated with presence and	Clinical and
	al. (2018)	severity of atopic dermatitis in children,	Experimental
		independent of total IgE and eosinophil.	Allergy

Immundiagnostik	Šket R et al.	Hypoxia and inactivity related physiological	Frontiers in
	(2017)	changes (constipation, inflammation) are not	Physiology
		reflected at the level of gut metabolites and	
		butyrate producing microbial community; the	
		PlanHab Study.	
Immundiagnostik	Stadlbauer V	Lactobacillus casei Shirota supplementation	PLoS One
	et al. (2015)	does not restore gut microbiota composition	
		and gut barrier in metabolic syndrome: a	
		randomized pilot study.	
Immundiagnostik	Stenman LK	Probiotic with or without fiber controls body	EBioMedicine
	et al. (2016)	fat mass, associated with serum zonulin, in	
		overweight and obese adults – randomized	
		controlled trial.	
Immundiagnostik	Stevens BR et	Increased human intestinal barrier permeability	Gut
	al. (2018)	plasma and FABP2 correlated with plasma LPS	
		and altered gut microbiome in anxiety and	
		depression.	
Immundiagnostik	Strewe C et al.	PlanHab Study: Consequences of combined	Scientific Reports
	(2018)	normobaric hypoxia and bed rest on adenosine	
		kinetics.	
Immundiagnostik	Tarko A et al.	Zonulin: a potential marker of intestinal injury	Disease Markers
	(2017)	in newborns.	

Immundiagnostik	Wilms E et al.	Effects of supplementation of the Synbiotic	PLoS One
	(2016)	Ecologic® 825/FOS P6 on intestinal barrier	
		function in healthy humans: a randomized	
		control trial.	
Immundiagnostik	Wosiewicz P	Portal vein thrombosis in cirrhosis is not	Clinics and Research
	et al. (2016)	associated with intestinal barrier disruption or	in Hepatology and
		increased platelet aggregability.	Gastroenterology
Immundiagnostik	Żak-Gołab A	Gut microbiota, microinflammation, metabolic	International Journal
	et al. (2013)	profile and zonulin concentration in obese and	of Endocrinology
		normal weight subjects.	
Immundiagnostik	Zhang D et al.	Serum zonulin is elevated in women with	European Journal of
	(2015)	polycystic ovary syndrome and correlates with	Endocrinology
		insulin resistance and severity of anovulation.	