

new

Supplemental advice to reduce the risk of a further progression in Hashimoto's



TPO Support

Myo-inositol & Selenium protect Thyroid cells from oxidative destruction and reduce the risk of a further progression to hypothyroidism. The use of supplemental iodine in Hashimoto's needs to be reconsidered and individually evaluated.



indication	Supplemental advice in Hashimoto's to reduce a further progression	e the risk of
dosage	1 cap in the morning and 1 cap in the evening	
packaging	120 vegecaps per container	
composition (amount per 2 vegecaps)	Myo-inositol	600 mg
	Iron (as Iron bisglycinate)	30 mg
	Zinc (as Zinc gluconate)	22,5 mg
	Selenium (as Selenomethionine)	84 µg

Treatment of Hashimoto's

Hashimoto's is not a Thyroid disease but a manifestation of a multi-systemic immune related disorder. Antibodies direct a chronic inflammatory destructive response against the thyroid gland. When thyroid follicular cells are destroyed, the ability to produce thyroid hormones is reduced. Treatment requires more than just replacing hormones.



Regulatory T Cells promote self-tolerance

> more info on page 6-8

- Stress management
- Sleep improvement
- Exercise

Ferrari, S. M., et al. "Myo-inositol and selenium reduce the risk of developing overt hypothyroidism in patients with autoimmune thyroiditis." Eur Rev Med Pharmacol Sci 21.2 Suppl (2017): 36-42.

Benvenga, S., et al. "Favorable effects of myo-inositol, selenomethionine or their combination on the hydrogen peroxide-induced oxidative stress of peripheral mononuclear cells from patients with Hashimoto's thyroiditis: preliminary in vitro studies." Eur Rev Med Pharmacol Sci 21.Suppl 2 (2017): 89-101.

Song, Yue, et al. "Roles of hydrogen peroxide in thyroid physiology and disease." The Journal of Clinical Endocrinology & Metabolism 92.10 (2007): 3764-3773

Ferrari, Silvia Martina, et al. "The protective effect of myo-inositol on human thyrocytes." Reviews in Endocrine and Metabolic Disorders 19.4 (2018): 355–362

Zaletel, Katja, and Simona Gaberscek. "Hashimoto's thyroiditis: from genes to the disease." Current genomics 12.8 (2011): 576-588.

"Effect of iodine intake on thyroid diseases in China." New England Journal of Medicine 354.26 (2006): 2783-2793.

"Effect of small doses of iodine on thyroid function in patients with Hashimoto's thyroiditis residing in an area of mild iodine deficiency." European journal of endocrinology 139.1 (1998): 23–28.

Gaberšček, Simona, and Katja Zaletel. "Epidemiological trends of iodine-related thyroid disorders: an example from Slovenia." Archives of Industrial Hygiene and Toxicology 67.2 (2016): 93–98.

Gut protocol



Global intestinal support is a multilevel support

Optimize gastric acid level

- Prevents pathogenic overgrowth
- First line defense
- Essential for activation of the pancreas to release digestive enzymes
- Digestive breakdown of polypeptides into individual amino acids (auto-immune reactivity is reduced if separate amino acids)

Enzyme complex to optimize digestion (including gluten modifying enzymes)

Targeted released Glutamine & cofactors heal the mucosal lining

- Reduce inflammation
- Improve the synthesis of s IgA by the intestinal lymphocytes

Butyrate coated

- Immune tolerance intestinal & systemic
- s lgA barrier
- Mucus barrier
- Epithelial barrier







Guttae Pepsini

indication	Stomach acid deficiency Poor digestion Intestinal malabsorption Rebuilds intestinal pH	
dosage	3 x 10 - 20 drops per day at the start of each meal, dilute in water and swallow immediately	
packaging	30 ml per bottle	
composition (amount per 30 drops)	Purified water Glycerol Hydrochloric acid HCl 37% Pepsine	5,3 ml 10 ml 2,7 ml 2 ml

Gluten DPP IV Complex

DPP-IV proteolytic enzyme complex Breaks down proline residues in Gluten and decreases the intestinal immune reaction Intolerance for gluten and/or casein Indigestion, gas, bloating, constipation and diarrhea	
3 x 1 cap per day at the beginning of each meal	
90 vegecaps per container	
Protease IV Lactase Protease (zuur en neutraal) Amylase Maltodextrine Gluco-amylase Invertase Lipase	60 mg 60 mg 70,35 mg 30 mg 24,45 mg 15 mg 6 mg 4,2 mg
	Breaks down proline residues in Gluten and decreases the intestinal immune reaction Intolerance for gluten and/or casein Indigestion, gas, bloating, constipation and diarrhea 3 x 1 cap per day at the beginning of each meal 90 vegecaps per container Protease IV Lactase Protease (zuur en neutraal) Amylase Maltodextrine Gluco-amylase Invertase





Perm Plus Coated

indication	Rebuilding intestinal permeability and immunity with targeted released molecules	
dosage	The first month: 3 x 2 tablets per day Then take 3 x 1 tablet per day 20 min. before food	
packaging	90 tablets per container	
composition (amount per 3 tablets)	L-Glutamine N-Acetyl-D - Glucosamine N-Acetylcystein Liquorice root powder (Glycyrrhiza Glabra L.) Gamma oryzanol L-Carnosine Zinc (as zinc bisglycinate and zinc methionin)	975 mg 375 mg 300 mg 255 mg 180 mg 60 mg 22,5 mg



Butyflam Coated

Butyrate is a short-chain fatty acid produced by the intestinal bacteria through fermentation of non-digestible fibers. Butyflam Coated delivers bioavailable levels of butyrate in our intestines to guarantee immune tolerance and avoid excessive inflammation or auto-immune reactions.

indication	Neuroinflammation Immune modulating (T reg + IL-10 anti-inflammation) Remodeling intestinal barrier function
dosage	3 x 2 caps per day, 20 minutes before meals
packaging	180 coated caps per container
composition (amount per 6 caps)	Butyrate - 3000 mg

Samenstaling

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Butyrate



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NUTRINED

Butyflam Coated

180 Coated caps 132 g ttogewicht-Poids net-Net weight Voedingssupplement -Complément alimentaire -Dietary supplement

Immune support



Mukhtar, Maryam, et al. "Vitamin D receptor gene polymorphism: an important predictor of arthritis development." BioMed research international 2019 (2019).



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NUTRINED

Butyflam Coated

180 Coated caps 132 g ttogewicht-Poids net-Net weight Voedingssupplement -Complément alimentaire -Dietary supplement



Multimessenger™

indication	Natural Killer Cell support Supports T reg	
dosage	3 caps per day just before breakfast (acute: 2 x 3) Children aged 6 m - 2 yr: 1 capsule per day Children aged 2 yr - 6 yr: 2 capsules per day +6 years: 3 capsules per day	
packaging	90 caps per container	
composition (amount per 3 caps)	Colostrum (Transfer Factors - pure amino acid sequences)	500 mg
	West american Larch (Larix occidentalis)	333 mg
	Inositol	200 mg
	Beta Glucan	200 mg
	Green tea (Camelia sinensis)	200 mg
	Pomegranate tree (Punica granatum)	200 mg
	Astragale (Astragalus membraneus)	70 mg
	Shiitake (Lentinula edodes)	25 mg
	Dancing mushroom = Maitake (Grifola frondosa)	25 mg
	Zinc (as zinc citrate)	15 mg
	Selenium (as L-Selenomethionine)	70 µg

Please find our referenced version on the professional section of our website. All information is exclusively aimed at and released to an audience of health care professiona

Natural Killer Cell activation*



Immune modulation IL-10**



* % improvement in Mean Fluorescent Intensity for CD 69 Receptor on Natural Killer Cells. (CD69 is highly correlated with NK cell activity)
** % improvement In Mean Fluorescent Intensity for IL-10 on Peripheral Blood Mononuclear Cell Cultures (PBMC)

