





Who are we?

- » Wolfgang and Markus
- » Actively supporting Lyme Patients since 2010
- » Started PhytoBox in 2018 independently of anyone to follow our idea to support patients around the world
- » Development of natural herbal supplements to support patients with chronic illness in a host of different conditions and all stages



How a PhytoBox is developed (1/3)

- » Study research on a single target (pathogen, symptom, indication)
 - » Inhibition of Interleukins
 - » Inhibition of Cytokins
 - » Block of signalling pathways (NF-κB, quorum sensing, etc.)
 - » In-vitro effects on antiviral/antibacterial effects



How a PhytoBox is developed (2/3)

- » Marketability test
 - » Novel Food Status
 - » Toxicity
 - » Effective dosages
 - » Consumer and practitioner safety







How a PhytoBox is developed (3/3)

- » Search for suitable raw material and raw material suppliers begins
- » Laboratory tests run on the raw materials (mycotoxins, toxity, heavy metals, aluminum)
- » Galenics investigation (development without fillers, coagulants, flow or release agents)

PhytoBox 1: Monolaurin and Baicalein

Food Research 4 (6): 2355 - 2365 (December 2020)

Journal homepage: http://www.myfoodresearch.com

FOOD RESEARCH

Monolaurin

An organic compound derived from lauric acid. Found in coconut oil (highest natural source), and breast milk. A bioactive lipid with proven antimicrobial properties.

"Monolaurin is a bioactive lipid from medium-chain fatty acids that have been proven safe for consumption, has a broad spectrum as an antibacterial, boosts the immune system, and acts as an antiviral." 1

"The most effective antimicrobial compounds against all morphological forms of the two tested Borrelia sp. were baicalein and **monolaurin**. This might indicate that the presence of fatty acid and phenyl groups is important for comprehensive antibacterial activity."

Bioactive monolaurin as an antimicrobial and its potential to improve the immune system and against COVID-19: a review

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Monolaurin, Antimicrobial, Immune system, Antiviral, COVID-19

DOI:

https://doi.org/10.26656/fr.2017.4(6).324

Abstract

Monolaurin is monoacylglycerol which is a bioactive lipid since it can affect the human biological systems. This review discusses the bioactive properties of monolaurin, especially its role as an antibacterial, immune system enhancement, and its ability as an antiviral so that it has the potential to fight against various viral attacks. Monolaurin can act as an antibacterial in inhibiting the growth of several pathogenic bacteria, especially gram-positive bacteria. Monolaurin is known to be able to enhance the immune system through modulation of various immune systems, controlling pro-inflammatory cytokines, activating and attracting leukocytes to the site of infection. Monolaurin can also act as an antiviral, especially against enveloped viruses, such as Maedi-visna virus, vesicular stomatitis, herpes simplex-1, measles, HIV, cytomegalovirus, influenza, and corona. Monolaurin inhibits the virus through the mechanism of the disintegration of the viral membrane, prevents binding of the viral protein to the host-cell membrane, inhibits the process of assembling the viral RNA, and the process of virus maturation in the replication cycle. Therefore monolaurin has the potential for human consumption to boost the immune system and ward off various virus attacks, including severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), which is the cause of COVID-19 which became a pandemic in the world.



Sources: 1. Subroto, Edy & Indiarto, Rossi. (2020). Bioactive monolaurin as an antimicrobial and its potential to improve the immune system and against COVID-19: a review. Food Research. 4. 2355-2365. 10.26656/fr.2017.4(6).324.; 2. Goc, A., Niedzwiecki, A. and Rath, M. (2015), *In vitro evaluation of antibacterial activity of phytochemicals and micronutrients against Borrelia burgdorferi and Borrelia garinii*. J Appl Microbiol, 119: 1561–1572. doi:10.1111/jam.12970

Monolaurin references: selected extract (1/2)





Studies on Monolaurine:

- » In vitro activity of lauric acid or myristylamine in combination with six antimicrobial agents against methicillin-resistant Staphylococcus aureus (MRSA)
- https://pubmed.ncbi.nlm.nih.gov/16318911/
- » Glycerol monolaurate inhibits the effects of Gram-positive select agents on eukaryotic cells https://pubmed.ncbi.nlm.nih.gov/16475828/
- » In vitro inactivation of Chlamydia trachomatis by fatty acids and monoglycerides https://pubmed.ncbi.nlm.nih.gov/9736551/
- » Glycerol monolaurate antibacterial activity in broth and biofilm cultures https://pubmed.ncbi.nlm.nih.gov/22808139/
- » Inhibition of Bacterial Spore Growth by Fatty Acids and Their Sodium Salts https://pubmed.ncbi.nlm.nih.gov/31084102/
- » Novel antibacterial activity of monolaurin compared with conventional antibiotics against organisms from skin infections: an in vitro study https://pubmed.ncbi.nlm.nih.gov/17966176/
- » In vitro evaluation of antibacterial activity of phytochemicals and micronutrients against Borrelia burgdorferi and Borrelia garinii https://pubmed.ncbi.nlm.nih.gov/26457476/
- » Antibacterial Free Fatty Acids and Monoglycerides: Biological Activities, Experimental Testing, and Therapeutic Applications https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5979495/
- » Investigation of the selective bactericidal effect of several decontaminating solutions on bacterial biofilms including useful, spoilage and/or pathogenic bacteria https://www.sciencedirect.com/science/article/abs/pii/S0740002003000510
- » Inactivation of enveloped viruses in human bodily fluids by purified lipids https://pubmed.ncbi.nlm.nih.gov/8030973/



Monolaurin references: selected extract (1/2)

- » Antibacterial study of the medium chain fatty acids and their 1-monoglycerides: individual effects and synergistic relationships https://pubmed.ncbi.nlm.nih.gov/19469285/
- » In vitro effects of monolaurin compounds on enveloped rna and dna viruses https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7166675/
- » Virucidal activities of medium- and long-chain fatty alcohols, fatty acids and monoglycerides against herpes simplex virus types 1 and 2: comparison at different pH levels https://pubmed.ncbi.nlm.nih.gov/15676016/
- » Inactivation of enveloped viruses and killing of cells by fatty acids and monoglycerides https://pubmed.ncbi.nlm.nih.gov/3032090/
- » Inactivation of visna virus and other enveloped viruses by free fatty acids and monoglycerides https://pubmed.ncbi.nlm.nih.gov/8030974/
- » Fatty acids and derivatives as antimicrobial agents https://pubmed.ncbi.nlm.nih.gov/4670656/
- » In Vitro Antimicrobial Activities of Organic Acids and Their Derivatives on Several Species of Gram-Negative and Gram-Positive Bacteria https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6832434/
- » In vitro killing of Candida albicans by fatty acids and monoglycerides https://pubmed.ncbi.nlm.nih.gov/11600381/
- » Bactericidal effects of fatty acids and monoglycerides on Helicobacter pylori https://pubmed.ncbi.nlm.nih.gov/12385681/
- » Inhibitory activity of monoacylglycerols on biofilm formation https://pubmed.ncbi.nlm.nih.gov/27652099/
- » In Vivo Antifungal Activity of Monolaurin against Candida albicans Biofilms https://pubmed.ncbi.nlm.nih.gov/30068882/
- » The Clinical Use of Monolaurin as a Dietary Supplement: A Review of the Literature https://pubmed.ncbi.nlm.nih.gov/32952476/
- » The 1-monolaurin inhibit growth and eradicate the biofilm formed by clinical isolates of Staphylococcus epidermidis https://pubmed.ncbi.nlm.nih.gov/31890012/
- » Bactericidal effect of glycerol monolaurate complex disinfectants on Salmonella of chicken https://pubmed.ncbi.nlm.nih.gov/33294434/







PhytoBox 1: Baicalein

A phenolic flavonoid compound derived mainly from the root of Scutellaria baicalensis

As highlighted by Professor Gilbert previously, the Feng et al study showed that Scutellaria baicalensis was one of several herbs that have stronger activity than doxycycline and cefuroxime¹

"... only baicalein and monolaurin applied at the same concentrations were effective in reducing biofilm formed by *Borrelia garinii* by approximately 40–60%"2

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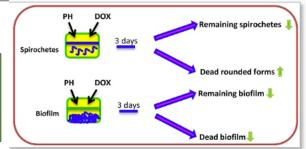


Review article

Baicalin, a natural antimicrobial and antibiofilm agent

Mahdi Asghari Ozma a b, Ehsaneh Khodadadi b, Farzaneh Pakdel c, Fadhil S. Kamounah d, Mehdi Yousefi e, Bahman Yousefi c, Mohammad Asgharzadeh f, Khudaverdi Ganba Hossein Samadi Kafil b 🙎 🖂

"... combination of doxycycline with flavones such as baicalein and luteolin exhibited additive effects against all morphological forms of studied Borrelia sp." 3



Baicalein references: selected extract





Studies on Baikal skullcap (Scutellaria baicalensis):

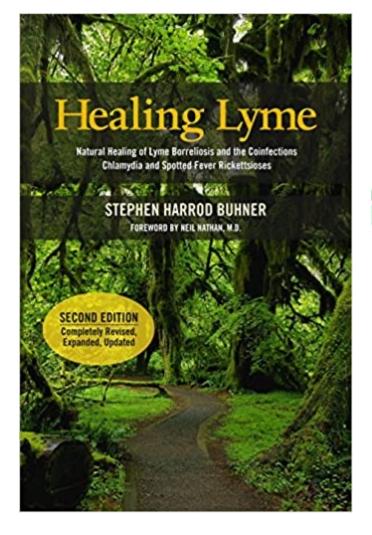
- » Scutellaria baicalensis Inhibits Coxsackievirus B3-Induced Myocarditis Via AKT and p38 Pathways https://pubmed.ncbi.nlm.nih.gov/31370111/
- » Antiviral Activity of Oroxylin A against Coxsackievirus B3 Alleviates Virus-Induced Acute Pancreatic Damage in Mice https://pubmed.ncbi.nlm.nih.gov/27195463/
- » Potential therapeutic and pharmacological effects of Wogonin: an updated review https://pubmed.ncbi.nlm.nih.gov/33165817/
- » Baicalin ameliorates Mycoplasma gallisepticum-induced lung inflammation in chicken by inhibiting TLR6-mediated NF-xB signalling https://pubmed.ncbi.nlm.nih.gov/33252265/
- » Effect of Baicalin on Bacterial Secondary Infection and Inflammation Caused by H9N2 AIV Infection in Chickens https://pubmed.ncbi.nlm.nih.gov/33294434/
- » Baicalin Liposome Alleviates Lipopolysaccharide-Induced Acute Lung Injury in Mice via Inhibiting TLR4/JNK/ERK/NF- κ B Pathway https://pubmed.ncbi.nlm.nih.gov/33223957/
- » Neuroprotective Effects of Baicalein, Wogonin, and Oroxylin A on Amyloid Beta-Induced Toxicity via NF-kB/MAPK Pathway Modulation https://pubmed.ncbi.nlm.nih.gov/33147823/
- » Scutellaria baicalensis Georgi. (Lamiaceae): a review of its traditional uses, botany, phytochemistry, pharmacology and toxicology
- https://pubmed.ncbi.nlm.nih.gov/33294434/
- » The anti-rotavirus effect of baicalin via the gluconeogenesis-related p-JNK-PDK1-AKT-SIK2 signaling pathway https://pubmed.ncbi.nlm.nih.gov/33567320/



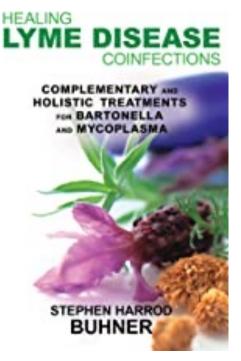
PhytoBox 2: Andrographis, Cat's Claw, Resveratrol and Grapefruit seed extract

- Andrographis paniculata
- Chinese Cat's Claw standardised to contain 80% ginsenosides
- Japanese knotweed a rich source of resveratrol
- Grapefruit seed extract, well known as a "cyst buster"

Stephen Buhner's research found that Andrographis is perhaps the best primary herb to address Lyme Disease. It is antispirochetal, antibacterial, anti-inflammatory, an immune stimulant, and much more. His research also showed that Resveratrol and Cat's Claw are among the best herbs for neuroborreliosis.







Phytobox 2 references: selected extracts

» Support of the immune system for neuroborreliosis and neuropathic disorders

Studies on Andrographis paniculata:

- » Andrographolide, an Anti-Inflammatory Multitarget Drug: All Roads Lead to Cellular Metabolism https://pubmed.ncbi.nlm.nih.gov/33374961/
- » Andrographis paniculata and Its Bioactive Diterpenoids Against Inflammation and Oxidative Stress in Keratinocytes https://pubmed.ncbi.nlm.nih.gov/32560449/
- » Polyphenolic-rich extracts of Andrographis paniculata mitigate hyperglycemia via attenuating β-cell dysfunction, pro-inflammatory cytokines and oxidative stress in alloxan-induced diabetic Wistar albino rat https://pubmed.ncbi.nlm.nih.gov/33553038/
- » Andrographis paniculata (Burm.f.) Nees and its major constituent andrographolide as potential antiviral agents https://pubmed.ncbi.nlm.nih.gov/33610706/
- » Effect of Andrographis paniculata leaves extract on neurobehavioral and biochemical indices in scopolamine-induced amnesic rats https://pubmed.ncbi.nlm.nih.gov/32441354/

Studies on grapefruit - Citrus paradisi:

- » NQ01 mediates the anti-inflammatory effects of nootkatone in lipopolysaccharide-induced neuroinflammation by modulating the AMPK signaling pathway https://pubmed.ncbi.nlm.nih.gov/33460769/
- » Potentiating and synergistic effect of grapefruit juice on the antioxidant and anti-inflammatory activity of aripiprazole against hydrogen peroxide induced oxidative stress in mice https://pubmed.ncbi.nlm.nih.gov/29566693/

Studies on Resveratrol:

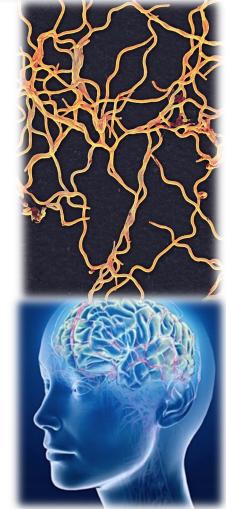
- » Nanoparticles of resveratrol attenuates oxidative stress and inflammation after ischemic stroke in rats https://pubmed.ncbi.nlm.nih.gov/33676175/
- » Pterostilbene Improves Stress-Related Behaviors and Partially Reverses Underlying Neuroinflammatory and Hormonal Changes in Stress-Challenged Mice https://pubmed.ncbi.nlm.nih.gov/33739881/

Studies on Uncaria rhynchophylla:

- » Isorhynchophylline Ameliorates Cerebral Ischemia/Reperfusion Injury by Inhibiting CX3CR1-Mediated Microglial Activation and Neuroinflammation https://pubmed.ncbi.nlm.nih.gov/33643044/
- » Protection by rhynchophylline against MPTP/MPP +-induced neurotoxicity via regulating PI3K/Akt pathway https://pubmed.ncbi.nlm.nih.gov/33188898/
- » Rhynchophylline attenuates migraine in trigeminal nucleus caudalis in nitroglycerin-induced rat model by inhibiting MAPK/NF-KB signaling https://pubmed.ncbi.nlm.nih.gov/31420791/







PhytoBox 3: Phytonutrients with action against the pleomorphic form of Borrelia, the "round body" or cyst form

Chlorella pyrenoidosa, Stinging Nettle extract, Bilberry extract, Cranberry extract, Lingonberry fruit powder, Artichoke extract, Sage leaf extract, Wild garlic, Cistus incanus























Microbes and Infection 18 (2016) 484-495

www.elsevier.com/locate/micinf

Original article

Pleomorphic forms of *Borrelia burgdorferi* induce distinct immune responses

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Abstract

Borrelia burgdorferi is the causative agent of tick-borne Lyme disease. As a response to environmental stress B. burgdorferi can change its morphology to a round body form. The role of B. burgdorferi pleomorphic forms in Lyme disease pathogenesis has long been debated and unclear. Here, we demonstrated that round bodies were processed differently in differentiated macrophages, consequently inducing distinct immune responses compared to spirochetes in vitro. Colocalization analysis indicated that the F-actin participates in internalization of both forms. However, round bodies end up less in macrophage lysosomes than spirochetes suggesting that there are differences in processing of these forms in phagocytic cells. Furthermore, round bodies stimulated distinct cytokine and chemokine production in these cells. We confirmed that spirochetes and round bodies present different protein profiles and antigenicity. In a Western blot analysis Lyme disease patients had more intense responses to round bodies when compared to spirochetes. These results suggest that round bodies have a role in Lyme disease pathogenesis.

Phytobox 3 references: selected extracts (1/2)





» Supports the immune system in detoxification and breakdown of pleomorphic forms

Studies on Chlorella pyrenoides:

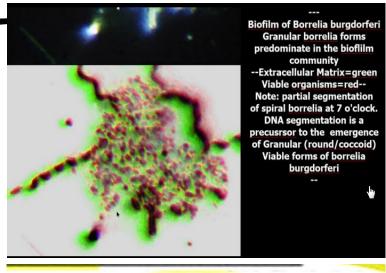
- » Evaluation of antioxidant and anticancer activity of crude extract and different fractions of Chlorella vulgaris axenic culture grown under various concentrations of copper ions https://pubmed.ncbi.nlm.nih.gov/33546663/
- » Effect of Chlorella vulgaris on Liver Function Biomarkers: a Systematic Review and Meta-Analysis https://pubmed.ncbi.nlm.nih.gov/33564655/
- » Evaluation of the simultaneous effect of Chlorella vulgaris supplementation and high intensity interval training on resting levels of oxidative stress markers and aerobic fitness in overweight healthy men https://www.researchgate.net/publication/337952135_Evaluation_of_the_simultaneous_effect_of_Chlorella_vulgaris_supplementation_and_high_intensity_interval_training_on_resting_levels_of_oxidative_stress_markers_and_aerobic_fitness_in_overweight_healthy
- » Physicochemical characterization and antioxidant effects of green microalga Chlorella pyrenoidosa polysaccharide by regulation of microRNAs and gut microbiota in Caenorhabditis elegans https://pubmed.ncbi.nlm.nih.gov/33301848/

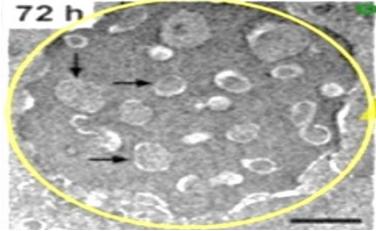
Studies on Stinging Nettle - Urtica dioica:

- » Metagenomic insights into the effects of Urtica dioica vegetable on the gut microbiota of C57BL/6J obese mice, particularly the composition of Clostridia https://pubmed.ncbi.nlm.nih.gov/33545322/
- » Ameliorative effect of cotreatment with the methanolic leaf extract of Urtica dioica on acute kidney injury induced by gentamicin in rats https://pubmed.ncbi.nlm.nih.gov/32523882/
- » Urtica Dioica Root Extract on Clinical and Biochemical Parameters in Patients with Benign Prostatic Hyperplasia, Randomized Controlled Trial https://pubmed.ncbi.nlm.nih.gov/32981268/
- » Screening of pharmacological uses of Urtica dioica and others benefits https://pubmed.ncbi.nlm.nih.gov/31163183/

Studies on blueberries - Vaccinium myrtillus:

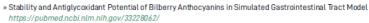
- » Whole Blueberry and Isolated Polyphenol-Rich Fractions Modulate Specific Gut Microbes in an In Vitro Colon Model and in a Pilot Study in Human Consumers https://pubmed.ncbi.nlm.nih.gov/32932733/
- » Bilberry anthocyanin extracts enhance anti-PD-L1 efficiency by modulating gut microbiota https://pubmed.ncbi.nlm.nih.gov/32211663/





Phytobox 3 references: selected extracts (2/2)

» Supports the immune system in detoxification and breakdown of pleomorphic forms



» Blueberry Prevents the Bladder Dysfunction in Bladder Outlet Obstruction Rats by Attenuating Oxidative Stress and Suppressing Bladder Remodeling https://pubmed.ncbi.nlm.nih.gov/32369959/

Studies on Cranberry - Vaccinium macrocarpon:

- » Cranberry Extract for Symptoms of Acute, Uncomplicated Urinary Tract Infection: A Systematic Review https://pubmed.ncbi.nlm.nih.gov/33375566/
- » Cranberry Powder Attenuates Benign Prostatic Hyperplasia in Rats https://pubmed.ncbi.nlm.nih.gov/33136465/
- » Efficacy of Daily Intake of Dried Cranberry 500 mg in Women with Overactive Bladder: A Randomized, Double-Blind, Placebo Controlled Study https://pubmed.ncbi.nlm.nih.gov/32945735/

Studies on Lingonberry - Vaccinium vitis idaea:

- » Supplementing diet with Manitoba lingonberry juice reduces kidney ischemia-reperfusion injury https://pubmed.ncbi.nlm.nih.gov/28074603/
- » Phenolic compounds and antioxidant activity of lingonberry (Vaccinium vitis-idaea L.) leaf, stem and fruit at different harvest periods https://pubmed.ncbi.nlm.nih.gov/29478554/

Studies on Artichoke - Cynara scolymus:

- » Bioaccessibility of Tudela artichoke (Cynara scolymus cv. Blanca de Tudela) (poly)phenols: the effects of heat treatment, simulated gastrointestinal digestion and human colonic microbiota https://pubmed.ncbi.nlm.nih.gov/33537693/
- » Study on literature of artichoke and properties of traditional Chinese medicine https://pubmed.ncbi.nlm.nih.gov/32726065/
- » Preventive effect of Artichoke (Cynara scolymus L.) in kidney dysfunction against high fat-diet induced obesity in rats https://pubmed.ncbi.nlm.nih.gov/31855072/
- » Effect of fosfomycin, Cynara scolymus extract, deoxynivalenol and their combinations on intestinal health of weaned piglets https://pubmed.ncbi.nlm.nih.gov/31890916/
- » Intestinal anti-inflammatory effects of artichoke pectin and modified pectin fractions in the dextran sulfate sodium model of mice colitis. Artificial neural network modelling of inflammatory markers https://pubmed.ncbi.nlm.nih.gov/31781703/

Studies on Sage leafe - Salvia officinalis:

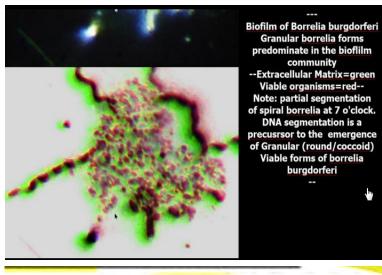
- » Anti-oxidant and hepatoprotective effects of Salvia officinalis essential oil against vanadium-induced oxidative stress and histological changes in the rat liver https://pubmed.ncbi.nlm.nih.gov/33106906/
- » The effect of common sage extracts on the intestinal microbiota in experimental infectious colitis https://pubmed.ncbi.nlm.nih.gov/32535583/
- » Current State of the Art on the Antioxidant Activity of Sage (Salvia spp.) and Its Bioactive Components https://pubmed.ncbi.nlm.nih.gov/31975363/
- » The protective effects of Salvia officinalis essential oil compared to simvastatin against hyperlipidemia, liver, and kidney injuries in mice submitted to a high-fat diet https://pubmed.ncbi.nlm.nih.gov/32010989/

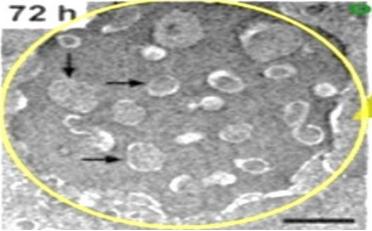
Studies on Wild garlic herb - Allium ursinum

- » Allium ursinum and Allium oschaninii against Klebsiella pneumoniae and Candida albicans Monoand Polymicrobic Biofilms in In Vitro Static and Dynamic Models https://pubmed.ncbi.nlm.nih.gov/32120894/
- » Study on the antioxidant and antimicrobial activities of Allium ursinum L. pressurised-liquid extract https://pubmed.ncbi.nlm.nih.gov/24895887/









PhytoBox 7: Phytonutrients with anti-inflammatory action

» Support of the immune system in Cytokine Storms

Studies on Astaxanthin:

» Cytokine storm relief https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3579738

Studies on Licorice root:

- » Reduction chemokine production https://www.sciencedirect.com/science/article/pii/S1567576904002498
- » Inhibition TNF alpha, MME, PGE https://pubmed.ncbi.nlm.nih.gov/27650551/?from_single_result=27650551%5Bpmid%5D&expanded_search_que-ry=27650551%5Bpmid%5D
- » Inhibition IL-1B http://inforesights.com/phytopharmacology/files/pp4v1i13.pdf

Studies on Shiitake:

» Inhibition cytokines
https://pubmed.ncbi.nlm.nih.gov/32413619/?from_single_result=32413619%5Bpmid%5D&expanded_search_query=32413619%5Bpmid%5D

Studies on Black cumin:

» Modulating NF-kB expression in sepsis https://onlinelibrary.wiley.com/doi/full/10.1002/ptr.6793

» Immunomodulatory and anti-inflammatory effect (TNF alpha reduction) https://pubmed.ncbi.nlm.nih.gov/29437018/





Usage of PhytoBox

RECOMMENDED DURATION OF INTAKE: 12-16 weeks, followed by a new laboratory test



BACTERIA

DIETARY SUPPLEMENT	DOSAGE	INTAKE	COMMENTS		
		Pathogens			
Baikal skullcap, Monolaurine PhytoBox 1	2 cps 2 cps	Morning with breakfast Evening with a meal			
Andrographis Paniculata, Uncaria, Japanese knotweed, grapefruit seed PhytoBox 2	1 (+1) cps 1 (+1) cps	Morning with breakfast Evening with a meal	Higher dosage for severe neurological symptoms		
Chlorella, Nettle, Blueberry, Cranberry, Artichoke, Sage leaves, Wild Garlic PhytoBox 3	2 cps 2 cps	Morning with breakfast Evening with a meal			
NAC, Berberine, Serrapeptase, Lipase BioDisrupt	1 cps 1 cps	Morning Evening	1 hour before a meal or 2 hours after		
Support of the co	ellular immune	response - Specially focused on	Borrelia		
Transfer Factors Transfer Factor L+	2 cps	30 min before a meal or 2 hours after	1 capsule per day in the first week; 2 capsules per day from the second week onwards		
	Natural P	Ciller Cell Function			
Ginseng root, vitamin C, maitake, cordyceps, spirulina, shiitake, reishi PhytoBox 10	1 cps 1 cps	Morning with breakfast Noon with a meal			
Transfer Factors Multi-Messenger	3 cps	1 hour before a meal or 2 hours after			
Oxidativ	e Stress - Deto	xification / Herxheimer reactions			
Astaxanthin, liquorice, shiitake, Baikal	1 (+1) cps	Morning with breakfast			
helmet herb, black curnin PhytoBox 7	1 (+1) cps	Evening with a meal			
Liposomal L-Glutathione Tri-Fortify	1 teaspoon	1 hour before a meal or 2 hours after	contains Vitamin C		
Inflammation / Neuroinflammation					
OPC, Curcuma, Rutin, Resveratrol PhytoBox 4	1 (+1) cps 1 (+1) cps	Morning with breakfast Evening with a meal	Higher dosage for severe physiological symptoms		
	Intestinal Flora				
Synbiotic, Acacia fiber, biotin, riboflavin, nicotinamide PhytoBox 5	1 cps 1 cps	Morning 30 min before breakfast or 1 hour after Evening 30 min before a meal or 1 hour after	Dosage can be increased to 4 capsules per day for severe intestinal complaints		





DIETARY SUPPLEMENT	DOSAGE	INTAKE	COMMENTS
		Pathogens	
Indian morning star, lapacho bark, cistus, sarsaparilla root, sweet wood root, garlic, neem leaves, grapefruit, clove, beardedlichen	1 cps 1 cps	Morning with breakfast Noon with a meal	
PhytoBox 8	1 cps	Evening with a meal	
NAC, Berberine, Serrapeptase, Lipase BioDisrupt	1 cps 1 cps	Morning Evening	1 hour before a meal or 2 hours after
Бюбізгарс			
Triplaris peruviana Tangarana	30 draps	Morning in 200 ml of water	30 min before a meal; Additional possible in
i angarana	30 drops	Evening in 200 ml of water	severe pathologies
Support of the cell	ular immune r	esponse - Specially focused on E	Bartonella
Transfer Factors Transfer Factor L+	2 cps	30 min before a meal or 2 hours after	1 capsule per day in the first wee 2 capsules per day from the seco week onwards
	Natural k	Ciller Cell Function	DMSSAS INGERIORIS
	VOLUME TO SERVICE OF THE PARTY		
Ginseng root, vitamin C, maitake, cordyceps, spirulina, shiitake, reishi	1 cps 1 cps	Morning with breakfast Noon with a meal	
PhytoBox 10			
Transfer Factors	3 cps	1 hour before a meal or 2 hours after	
Multi-Messenger		ui z nouis uitei	
Oxidative	Stress - Deta	kification / Herxheimer reactions	
Chlorella, Nettle, Blueberry, Cranberry, Artichoke, Sage leaves, Wild Garlic	2 cps	Morning with breakfast	
PhytoBox 3	2 cps	Evening with a meal	
Liposomal L-Glutathione	1 teaspoon	1 hour before a meal or 2 hours after	contains Vitamin C
Tri-Fortify		or 2 hours after	
A CALL TO SHOW THE PARTY	Inflammation	n / Neuroinflammation	
OPC, Curcuma, Rutin, Resveratrol	1 (+1) cps	Morning with breakfast	Higher dosage for
PhytoBox 4	1 (+1) cps	Evening with a meal	severe physiological symptoms
Omega 3 Fatty Acids	2 - 6 cps	Before bedtime	
Omegaform 300			





Usage of PhytoBox

RECOMMENDED DURATION OF INTAKE: 8-10 weeks, followed by a new laboratory test



DIETARY SUPPLEMENT	DOSAGE	INTAKE	COMMENTS
		Pathogens	
Baikal skullcap, Monolaurine	2 cps	Morning with breakfast	1
PhytoBox 1	2 cps	Evening with a meal	
Elderflower, Rhodiola rosea, Astragalus	1 cps	Morning with breakfast	
membranaceus, Barberry, Oregano, Tibetan mint, Ginkgo biloba, St. John's wort	1 cps	Noon with a meal	
PhytoBox 11	1 cps	Evening with a meal	
STATE OF THE STATE OF	Natural	Killer Cell Function	
Ginseng root, vitamin C, maitake,	1 cps	Morning with breakfast	
cordyceps, spirulina, shiitake, reishi PhytoBox 10	1 cps	Noonwith a meal	
Transfer Factors Multi-Messenger	3 cps	1 hour before a meal or 2 hours after	
Oxidative	Stress - Deta	xification / Herxheimer reactio	ns
Astaxanthin, liquorice, shiitake, Baikal	1 (+1) cps	Morning with breakfast	
helmet herb, black curnin PhytoBox 7	1 (+1) cps	Evening with a meal	
Liposomal L-Glutathione Tri-Fortify	1 teaspoon	1 hour before a meal or 2 hours after	contains Vitamin C

RECOMMENDED DURATION OF INTAKE: 8-10 weeks, followed by a new laboratory test Repeat protocol if needed



DIETARY SUPPLEMENT	DOSAGE	INTAKE	COMMENTS
TO CALL OF THE SECOND	100	Pathogens	
Baikal skullcap, Monolaurine	2 cps	Morning with breakfast	1
PhytoBox 1	2 cps	Evening with a meal	
	<u> </u>	<u> </u>	
Ginger, triphala, pomegranate, thyme,	1 cps	Morning with breakfast	
zinc, propolis, balm, green tea PhytoBox 6	1 cps	Noon with a meal	
	1 cps	Evening with a meal	
L-Lysin	2 cps	Morning	at least 1 hour before a meal and
Lysinoform 500+	2 cps	Noon	2 hours after; Intake for 6 weeks, then
	2 cps	Evening	4 weeks break
Support of the cellular in	mune response	e - Specially focused on opportu	nic, viral pathogens
Transfer Factors	2 cps	30 min before a meal or 2 hours after	1 capsule per day in the first week;
Messenger n° 1		or 2 hours after	2 capsules per day from the second week orwards
		ļ	
	Natural	Killer Cell Function	
Ginseng root, vitamin C, maitake,	1 cps	Morning with breakfast	
cordyceps, spirulina, shiitake, reishi PhytoBox 10	1 cps	Noon with a meal	
,			
Transfer Factors	3 cps	1 hour before a meal	
Multi-Messenger		or 2 hours after	i
Oxidati	ve Stress - Deto	xification / Herxheimer reaction	5
Astaxanthin, liquorice, shiitake, Baikal	1 (+1) cps	Morning with breakfast	
helmet herb, black cumin PhytoBox 7	1 (+1) cps	Evening with a meal	İ
Liposomal L-Glutathione	1 teaspoon	1 hour before a meal	contains Vitamin C
Tri-Fortify		or 2 hours after	
	İ		İ
TO US OF THE SECOND	Option	al / Symptomatic	
OPC, Curcuma, Rutin, Resveratrol	Rutin, Resveratrol 1 (+1) cps Morning with breakfast	Morning with breakfast	Higher dosage for severe
PhytoBox 4	1 (+1) cps	Evening with a meal	physiological symptoms
NADH	1 cps	Morning with breakfast	
NADH Pur	1 cps	Evening with a meal	
	1 cps	Morning 30 min before	Dosage can be increased to
Synbiotic, Acacia fiber, biotin.			
Synbiotic, Acacia fiber, biotin, riboflavin, nicotinamide PhytoBox 5	1 cps	breakfast or 1 hour after Evening 30 min before a meal	4 capsules per day for severe intestinal complaints





What makes us special

- » Combine different solutions to find for every individual patient his individual way of support and treatment
- » Possible to take as stand-alone treatment or in combination with school medical as well as other alternative treatment options
- » Exact dosages through the use of a capsule based principle
- » No alcohol, suitable for children and patients with conditions in which tinctures based on alcohol are prohibited
- » Pureness and Quality
- » Short transportation times of raw ingredients
- » Constant laboratory controls on mycotoxins, heavy metals and other toxic metals, such as aluminum
- » Never stop evolving







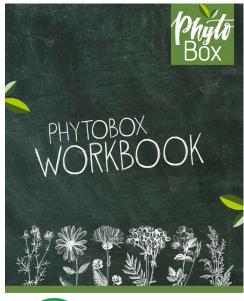




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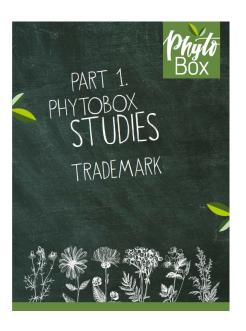
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Thank you

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