

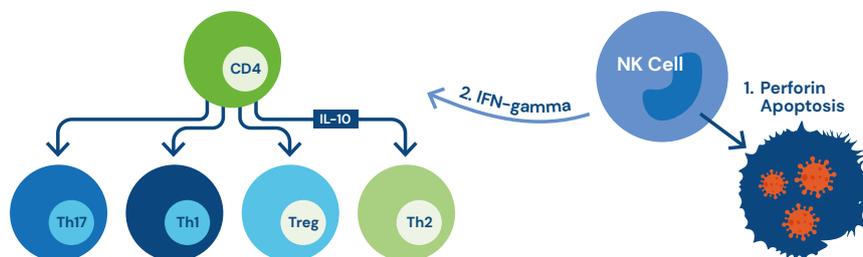
focus

Transfer Factors: messenger peptides to strengthen our immune reaction



Transfer Factors are like a cross between interleukins and antibodies

Transfer Factors are amino acid sequences, naturally produced by activated T-Lymphocytes during infection. Transfer Factors have the capability to activate our Natural Killer Cells.



Clinical management

Standardized compositions of Transfer Factors trigger activating receptors on the surface of Natural Killer Cells. This interaction between Transfer Factors and NK Cells results in better NK Cell activity where more infected cells are eliminated.

Multimessenger™

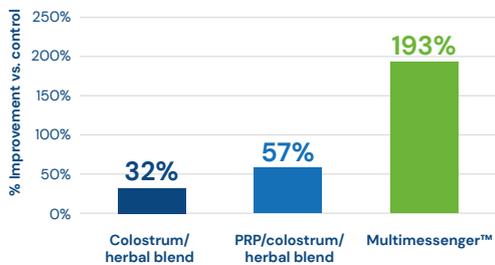
Take 1 x 3 caps/day just before breakfast

Carrying messages from immune cell to immune cell like Interleukins

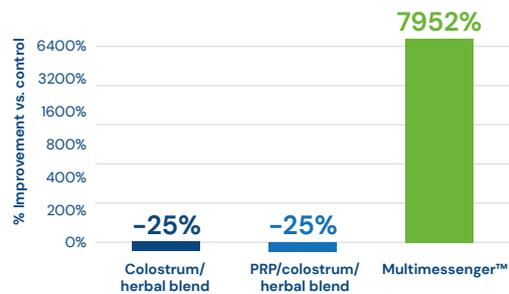
- = strengthening NK Cells
- = rebuilding balance Th1/Th2/Th17 & downregulates autoimmunity and excessive inflammation



Natural Killer Cell activation* Innate immune system 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)

Specific Transfer Factors can transfer cell-mediated immunity between T-Lymphocytes

Specific Transfer Factors based on composition in comparison table, [see page 4](#).



Messenger N°1™

Take 2 caps per day before sleep

Specific Transfer Factors target reactivating infections incl. EBV, CMV, Herpes, Mycoplasma, Chlamydia...



Transfer Factor L-Plus™

Take 2 caps per day before dinner

Specific Transfer Factors target vector-borne infections incl. Bartonella, Babesia, Ehrlichia...

Specific Transfer Factors target molds & mycotoxins



Transfer Factor Enviro™

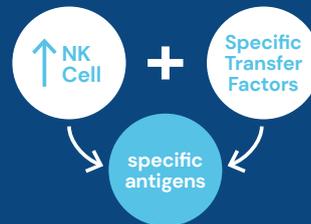
Take 1 gelcaps per day during the first week, take 2 gelcaps per day from the second week on, take away from food

Specific Transfer Factors target molds, fungi or mycotoxins

Transfer Factors have been used successfully in **prevention** since they answered the challenge from unknown/unspecific pathogens.

Data also suggest the use of Transfer Factors as an **(adjuvant) treatment during infection**. From the list of infections that seem to respond noticeably to Transfer Factors, those due to viruses of the herpes family are particularly remarkable.

Multimessenger (more NK Cell activity) should be combined with Specific Transfer Factors to address specific antigens



References

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Comparative study of transfer factor and acyclovir in the treatment of herpes zoster. Int J Immunopharmacol. 1998 Oct;20(10):521-35.

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Rita, R., Ellithorpea, B., Settineria, R., & Ellithorpeb, T. Nutrient supplement enhances natural killer cell function in women with chronic fatigue syndrome and fibromyalgia: preliminary report. 2015 November. Townsendletter.

Sinha, R., Sinha, I., Calcagnotto, A., Trushin, N. Oral supplementation with liposomal glutathione elevates body stores of glutathione and markers of immune function. Eur J Clin Nutr. 2018 Jan;72(1):105-111.

Debby Hamilton. Immune Modulation: Research Summary Transfer Factor vs. Colostrum vs. Proline-Rich Peptides. 2019. – on request

<https://pubmed.ncbi.nlm.nih.gov/23746171/>

<https://pubmed.ncbi.nlm.nih.gov/15086383/>

<https://pubmed.ncbi.nlm.nih.gov/20561650/>

Comparison table

	Multimessenger	Multi messenger (mushroom-free)	Transfer Factor Sensitive™	Transfer Factor L-Plus™	Messenger N°1	Transfer Factor Enviro™
Natural Killer Cell – General Immune Support	X	x	x			
Bartonella	X			x		
Borrelia burgdorferi	X			x	x	
Babesia	X			x		
Ehrlichia	X			x		
EBV	X			x	x	
HHV6 B	X			x		
HHV6 A&B	X				x	
CMV	X	x	x	x	x	
Chlamydia pneumoniae	X			x	x	
Pneumocystic carinii	X				x	
Human TB	X				x	
Bovine TB	X				x	
Herpes 1	X				x	
Herpes 2	X				x	
Cryptosporosis	X				x	
Mycobacterium avian	X				x	
Hepatitis A, B, C	X				x	
Staphylococci	X				x	
Streptococci	X				x	
E. coli	X				x	
Parvo virus B19	X				x	
Varicella Zoster	X				x	
Candida (multiple strains)	X				x	x
MMR	X				x	
Mycoplasma – 14 strains	X				x	
Ureaplasma urealyticum	X				x	
Nanobacterium	X				x	
Human Papillomaviruses	X				x	
Penicillium	X					x
Epicoccum	X					x
Aspergillus fumigatus	X					x
Aspergillus niger	X					x
Aspergillus versicolor	X					x
Cladosporium	X					x
Fusarium	X					x
Geotrichum	X					x
Pithomyces	X					x
Ustilago	X					x

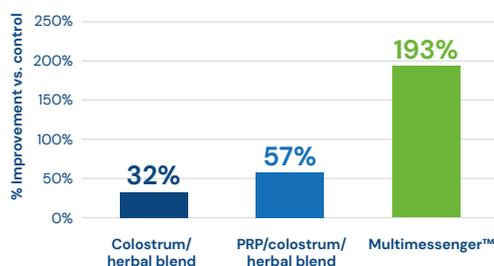
Multimessenger™



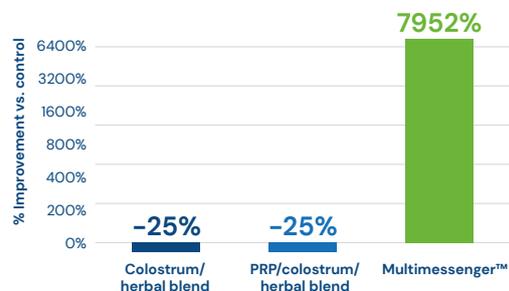
indication	Natural Killer Cell support Supports T reg	
dosage	Take 3 caps per day just before breakfast (acute: 2x3) Children aged 6 m- 2 yr: 1 capsule per day Children aged 2 yr - 6 yr: 2 capsules per day From 6 year and older: 3 capsules per day	
packaging	90 caps per container	
daily dose (based on 3 caps)	Transfer Factors – pure amino acid sequences extracted from Colostrum	500 mg
	West american Larch (<i>Larix occidentalis</i>)	333 mg
	Inositol	200 mg
	Beta Glucan	200 mg
	Green tea (<i>Camelia sinensis</i>)	200 mg
	Pomegranate tree (<i>Punica granatum</i>)	200 mg
	Astragale (<i>Astragalus membranous</i>)	70 mg
	Shiitake (<i>Lentinula edodes</i>)	25 mg
	Dancing mushroom = Maitake (<i>Grifola frondosa</i>)	25 mg
	Zinc (as Zinc citrate)	15 mg
	Selenium (as L-Selenomethionine)	70 µg

Natural Killer Cell activation*

Innate immune system activation



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Messenger N°1™



indication

Specific Transfer Factors
Targets specific pathogens (see comparison table)

Immune support = Multimessenger + Specific Transfer Factors

dosage

Take 1 caps per day during the first week, then take 2 caps per day away from food

packaging

60 gelcaps per container

**daily dose
(based on 2 caps)**

Rice flour	309 mg
Inositol hexaphosphate	126 mg
Beta Glucan (Baker's yeast)	114,8 mg
Transfer Factors – pure amino acid sequences extracted from Colostrum	21 mg

Transfer Factor L-Plus™



indication	<p>Specific Transfer Factors Targets specific pathogens (see comparison table)</p> <p>Immune support = Multimessenger + Specific Transfer Factors</p>
dosage	<p>Take 1 gelcaps per day during the first week, take 2 gelcaps per day from the second week, away from food</p>
packaging	<p>60 gelcaps per container</p>
daily dose (based on 2 caps)	<p>Inositol (Rice bran), Beta Glucan (Baker's yeast), 262 mg Transfer Factors – pure amino acid sequences extracted from Colostrum</p>

Transfer Factor Enviro™



indication	Specific Transfer Factors Targets specific pathogens, mold, fungi or mycotoxins (see comparison table) Immune support = Multimessenger + Specific Transfer Factors
dosage	Take 1 gelcaps per day during the first week, take 2 gelcaps per day from the second week on, take away from food
packaging	60 gelcaps per container
daily dose (based on 2 caps)	Target Immune EN™: Inositol, Beta Glucan, 262 mg Transfer Factors – pure amino acid sequences extracted from Colostrum