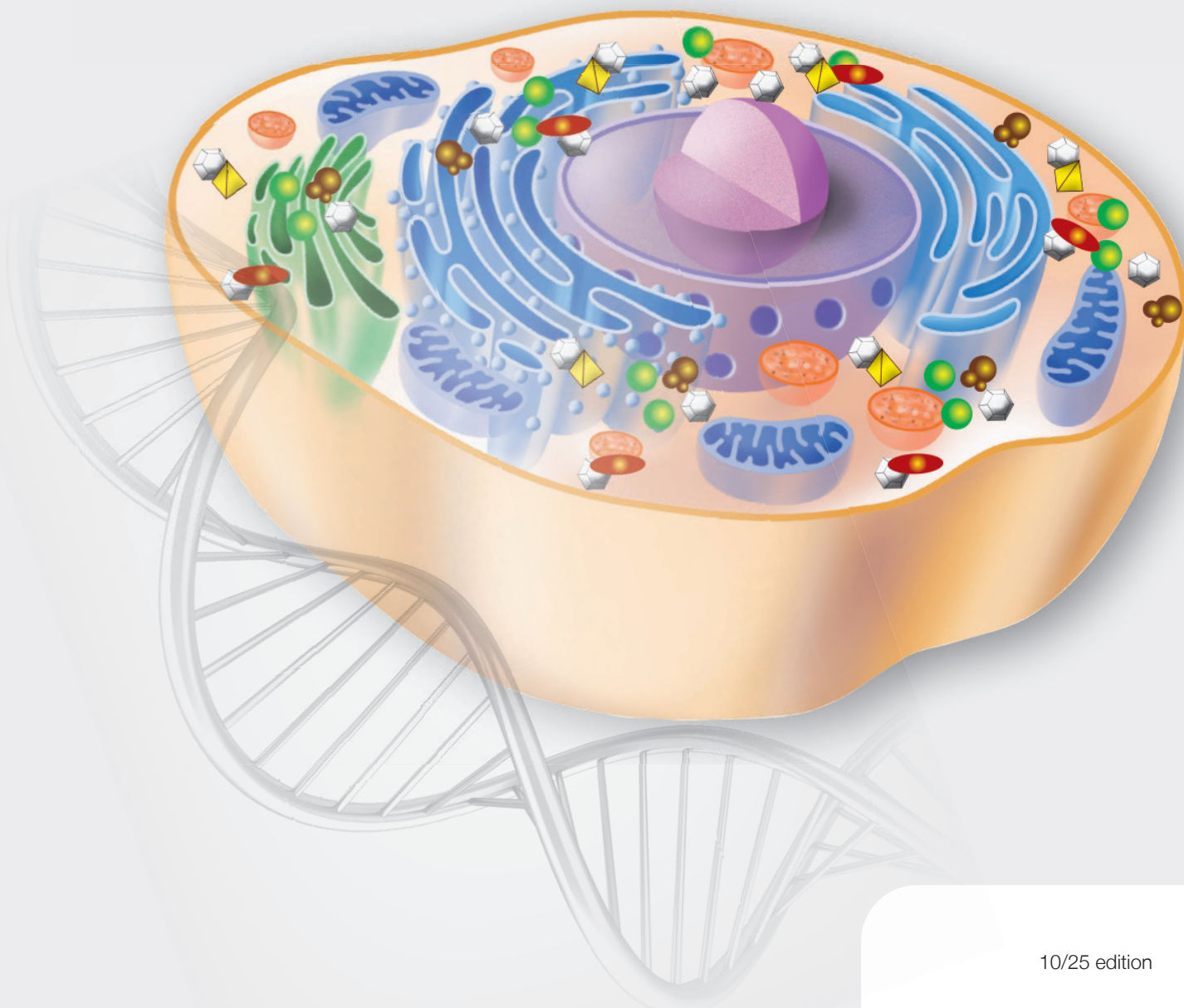


# Compendium and List of Preparations

For Health Care Professionals



# CONTENTS



## Dr. Wolz since 1969

Welcome .....	3
The Dr. Wolz Zell.....	4
Healthy cellular respiration .....	6
The development .....	7
Enzymes and coenzymes .....	8
Oxygen enzyme fermentation .....	9
Enzyme Yeast Cells Dr. Wolz® .....	10
Frequently asked questions.....	11
Studies .....	12
Scientific studies and books on efficacy .....	19



## Detoxification, strengthening, regeneration

Zell Oxygen® plus .....	21
Sanuzella® ZYM sportsline.....	23
Zell Oxygen® + Royal Jelly 600 mg .....	24
Zell Oxygen® ZYM anti-aging .....	25
Zell Oxygen® formula .....	26
Vitalkomplex Dr. Wolz.....	27



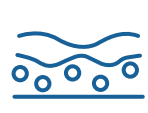
## Immune therapy

Zell Oxygen® Immunkomplex.....	29
Kinderimmun* .....	30
Immun select* Capsule.....	31
Lactobin® N.....	32
Colostrum Immun + Folsäure .....	33



## Microbiological Therapy

Darmflora plus select*.....	35
Darmflora plus select intens* .....	36
Darmflora plus select complex* .....	37
Sanuzella® D.....	38
Darm pro RDS.....	39
Darmflora plus Kinder & Familie.....	40
Curabiom® Baby.....	41
Darm activ*.....	42
Darmflora plus URO.....	43
<b>NEW</b> Ballaststoff Komplex (Dietary fibre complex) .	44
Probiocolon® Weight reduction .....	45
Gluten Pro + Calcium .....	46
Darmflora plus* Dr. Wolz® .....	47
Curabiom® flora.....	48



## Skin

<b>NEW</b> Curabiom® Derma med.....	50
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# Welcome

The products of Dr. Wolz Zell GmbH are the result of many years of research. They have been developed with the aim of exerting effects at the very wellspring of our health, the respiratory system of the cell, so as to strengthen our health from the very foundation upwards - because an important part of our mission is to maintain "mitochondrial cell health". Our contacts with hospitals and academia and a constant exchange of scientific information and experience, including on a worldwide basis, ensure that our Dr. Wolz products are developed in the light of the very latest scientific findings. All Dr. Wolz products contain natural, biological ingredients which are derived exclusively from natural sources. They are manufactured in a demanding process, taking particular care to ensure a good bioavailability and synergistic interaction.



**The management:**  
**Nutritional physician and biotechnologist**  
**Dr. Georg Wolz along with his nephew**  
**business economist David Wenzel**

**Finally, we would like to thank you, our customers,  
 for the numerous positive feedbacks.**

G. Wolz

**Dr. med. Dipl.-Ing. Georg Wolz**  
**Managing Director**

D. Wenzel

**David Wenzel**  
**Managing Director**



## Cardiovascular products

<b>NEW</b> Glucan-Oat Protein Shake.....	<b>52</b>
Cardio Protect Q10 Herzkapseln .....	<b>53</b>
Cardio Care.....	<b>54</b>
Thromboflow®.....	<b>55</b>
Omega-3-Fettsäuren ...	<b>56</b>
Cholesterinreduktion.....	<b>57</b>



## Muscles & Bones

Phytoflam Dr. Wolz® .....	<b>59</b>
EPA 1000 mg .....	<b>60</b>
Osteo-Coral-D3 .....	<b>61</b>
PROaktiv Komplex.....	<b>62</b>



## Phytotherapy

Sekundäre Pflanzenstoffe 270 (Phytochemicals 270) ..	<b>64</b>
Curcumin Extrakt 45.....	<b>65</b>
Brokkoliextrakt + Aktiv-Enzym .....	<b>66</b>
Ingwer-Extrakt .....	<b>67</b>
Grüntee-Extrakt.....	<b>68</b>
Borretschöl-Kapseln ....	<b>69</b>
Prostata pro .....	<b>70</b>



## Vitamins & minerals

Jod Calcium Kapseln .....	<b>72</b>
Vitamin D3 1000 I.E. plus Vitamin D2 1000 I.E. vegan Vitamin D3 4000 I.E. plus .....	<b>73</b>
Selen 100 µg ACE Cell protection capsules.....	<b>74</b>
Acerola-Vitamin C + Citrus flavonoids .....	<b>75</b>
B-Komplex + Biotin + Folsäure Hefetabletten ..	<b>76</b>



## Psyche & Sleep

Safran+Rhodiola-Extrakt.....	<b>78</b>
Einschlafspray (Sleeping Spray) .....	<b>79</b>

# The Dr. Wolz Zell GmbH

Serving health since 1969

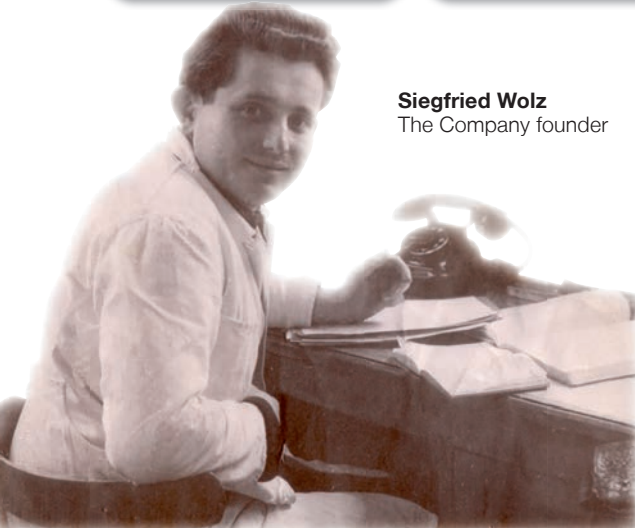
Depending upon body weight, the human body consists of 70 to 80 trillion cells. For organs to function ideally, every one of them has to be highly active. If bottlenecks occur in the supply of micronutrients, cell renewal can be compromised and cellular respiration - the conversion of oxygen to energy - can be impaired. Potential consequences: premature aging, exhaustion and weakening of the immune system. To supply the cells optimally, all the required substances have to be constantly ingested via food. Balanced nutrition, unfortunately, is often impossible under everyday life conditions. This fact was the motivation for our company founder, biotechnologist Siegfried Wolz from the team of the Nobel Prize for Medicine winner Feodor Lynen, to conduct research into a substance with which our body cells can be supplied by the best possible means. In 1969 he was rewarded with a breakthrough: With the production of En-

zyme Yeast Cells Dr. Wolz®, he developed „a protection and enzyme concentrate for the cells“ through which they can also be optimally supplied if there is a dietary imbalance and adverse environmental influences (environmental poisons, radiation etc.). This marked the birth of Dr. Wolz Zell GmbH.

As a bold pioneer he was firmly convinced that through enzyme yeast cells he would be able to make a key contribution to globally supplying cells in the human body and so, provide a basis for keeping the entire organism healthy. After many years of research, at times together with prominent physician and biologist Dr. med. Dr. rer. nat. P.G. Seeger, Siegfried Wolz finally managed to develop enzyme yeast cells using a special technique for oxygen enzyme fermentation. They support the human organism precisely at the site where its power and efficiency originate: in the cells of



**Siegfried Wolz**  
The Company founder



\* The certification authority of the German technical regulator TÜV SÜD has certified that the company Dr. Wolz Zell GmbH, Marienthaler Strasse 3, D-65366 Geisenheim has introduced and applies a quality management system for the scope of application of development, production and sales of dietary supplements and dietary food and has introduced a concept for the HACCP principles (Hazard Analysis and Critical Control Points).



the human body. The enzyme yeast cell according to the Dr. Wolz technique forms the basis for a previously unique product: Zell Oxygen®. The enzyme yeast cells, which it contains remain biologically active and owing to their resemblance to human cells, they are able to directly supply them with a wide range of vital substances.

Dr. Wolz maintains the highest standards as to the quality of the company's drugs and production processes. Sophisticated quality controls on pollutant residues and use of the best unadulterated raw materials form the purely biological basis of the products. Furthermore, not only numerous positive empirical and customer reports testify to the good quality and efficacy of the products – also scientific investigations repeatedly confirm the high nutritional level and efficacy of Dr. Wolz products.

The son of Siegfried Wolz and the current managing director of Dr. Wolz Zell GmbH, Dr. med. Georg Wolz is a nutritional physician and biotechnologist. Along with his nephew David Wenzel, he is continuing his father's life's work and together with his team developing highly effective products for complementary therapy. Ongoing communication with doctors oriented toward natural healing, hospitals and scientists throughout the world underpins the innovative research. Dr. Wolz is offering a wide range of products focussed on intestinal health, the immune system and cardiovascular health. These have now become available in over 40 countries around the globe.

**Our manufacturing in Geisenheim is easy on energy and resources and features a stable energy balance. We source our electricity from our photovoltaic system and we use geothermal energy for heating.**



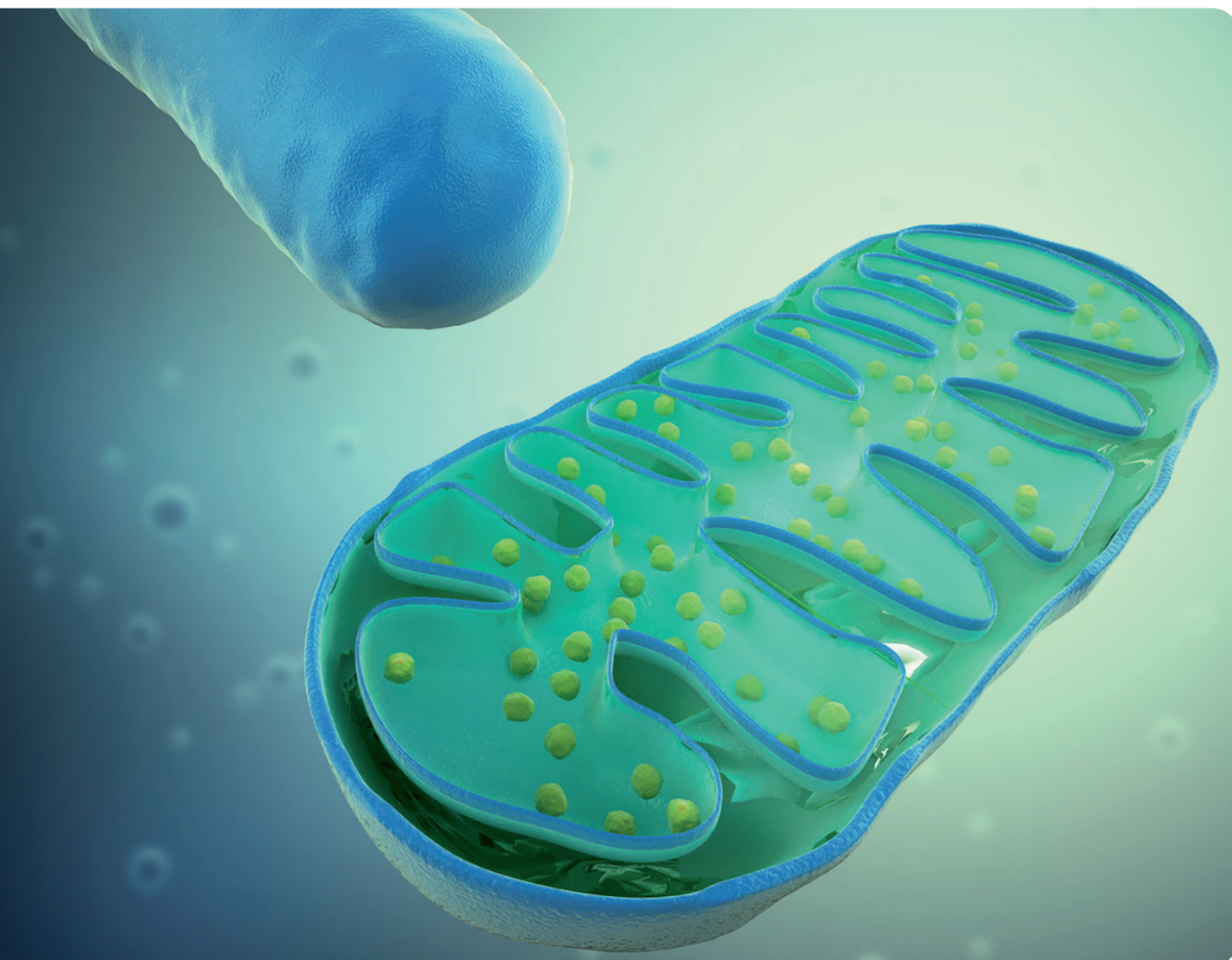
# Healthy cellular respiration

## in the mitochondria is the basis for health

The first disease due to mitochondrial dysfunction was described in 1962 by Professor Rolf Luft and colleagues in the *Journal of Clinical Investigation*. Interest and also research in the field of structure and mitochondrial function and knowledge of the significance to metabolism and the causal relationships to many health disorders have clearly increased since that time. Organs can be affected by a mitochondrial malfunction to a differing degree subject to their energy requirements. For example, cardiac and skeletal muscle cells, the brain or even the retina react much more strongly to a mitochondrial insufficiency. On one hand, a mitochondrial dysfunction is characterised by a reduced capacity for ATP synthesis with associated energy deficit and increased oxidative stress and increased mutation of the mitochondrial DNA (mtDNA) on the other. This leads to functional insufficiency of the affected cells or tissues, as well as to early decline and a mutagenic change.

Myasthenia, rapid muscle fatigue, bad trainability or muscle pain under stress or even at rest can sometimes be the first indications of a mitochondrial dysfunction in young patients. Mitochondrial disorders based on mtDNA mutations have a prevalence of approx. 10 – 20 per 100,000. Today there are more than 200 known mtDNA mutations. However, apart from the disorders triggered by a hereditary gene defect in the mtDNA, more and more disorders acquired over the course of life are associated causally with a mitochondrial dysfunction. These also include neurodegenerative disorders such as Alzheimer's or Parkinson's, cardiovascular disorders, diabetes mellitus or also tumour diseases.

These anti-oxidative systems need the bioactive substances, such as those to be found in Enzyme Yeast Cells Dr. Wolz®, to function. The human genome is 70 percent identical to the genome of enzyme yeast cells. Accordingly, all the constituents of Enzyme Yeast Cells Dr. Wolz® have good bioavailability.



# The development of Enzyme Yeast Cells Dr. Wolz®

Yeasts are very versatile organisms. They are single-celled fungi, which fall under a completely separate kingdom, apart from the plant and animal kingdom. However, they fit more into the category of the animal kingdom than the plant kingdom, as fungi and animals probably used to have common ancestors. Yeast already has a long history and tradition as a remedy. It was already to be found in the oldest document of Egyptian medical history, the „Ebers Papyrus“, named after the archaeologist Georg Ebers, who discovered the scroll in Thebes. But yeast is not only of use in producing food and as a remedy - it also serves in science as a model object for human life. The fascinating reason: a yeast cell is amazingly similar to a human cell. Medicine, therefore uses yeast cells as ideal model organisms for gene and cancer research and understanding ageing processes. It is especially important that key enzymes in a yeast cell are identical to human ones, such as, for example the DNA repair enzyme.

The scientist Prof. Dr. Feodor Lynen - in whose team our company founder Siegfried Wolz worked - succeeded in isolating coenzyme A from the yeast cell, a key constituent of cellular metabolism. Prof. Dr. Lynen was awarded the Nobel Prize for Medicine for this research in 1964.

**From antiquity up to the modern era, yeast has been administered as a restorative agent.**

Ancient Egypt, Hippocrates, Hildegard von Bingen, Paracelsus.

**In the modern era it has been used**

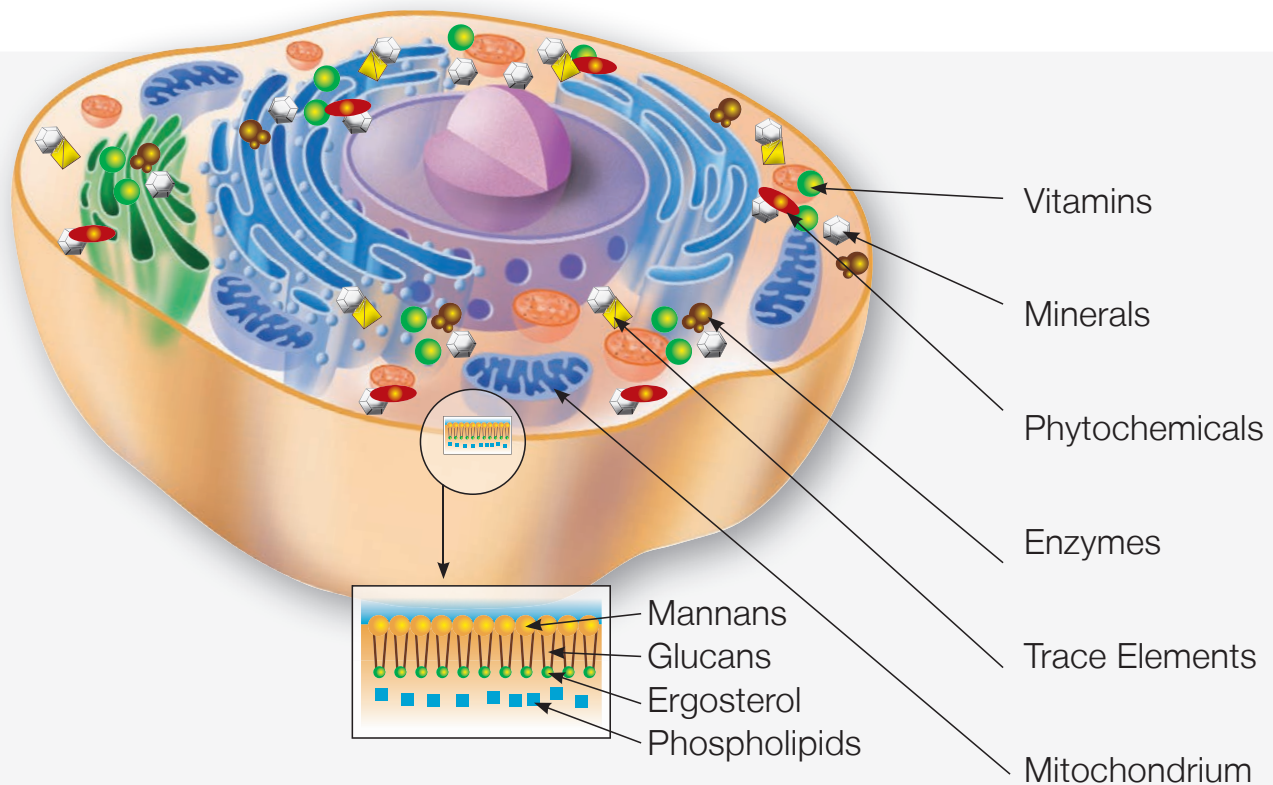
- in vitamin deficiency,
- convalescence,
- malignant cachexia,
- infectious diseases,
- dermatology,
- as a mineral preparation,
- in geriatric medicine,
- as a gastrointestinal therapeutic agent
- as an immune therapeutic agent,
- for detoxification.

All the key processes in yeast cells and human cells function the same or similarly.

6000 – 2000 v.Chr.	Beer making with yeast - Babylon
1680	Yeast is discovered under the microscope of Van Leeuwenhock
1835	Relationship between yeasts and alcoholic fermentation discovered
1837	The name <i>Saccharomyces cerevisiae</i> is established for all cultured yeasts
1857	Fermentation is identified as a metabolic process (Pasteur)
1877	The term "enzyme" (Greek = in the yeast) is established (Kühne)
1920	First comprehensive review article on yeasts is presented
<b>1969</b>	<b>Development of Enzyme Yeast Cells Dr. Wolz® as Zell Oxygen®</b>
1978	Yeast as a research project for the production of medicines
1990	Hepatitis B vaccine from yeast (Hinnen, Hicks and Fink)
1995	Discovery of the toll-like receptor on phagocytes, TLR1 for cell wall constituents of yeast
1996	The genetic material of yeast is described as the first organism
2001	Nobel Prize for Leland H. Hartwell-studies on the cell metabolism of yeast and the resulting insights into the origin of cancer
2016	Nobel Prize for the Japanese Yoshinori Ohsumi, who discovered in yeast the genetic material that controls the mechanism of „autophagy“ in cells.
Up to the present	Yeast as research project in space travel, gerontology, cancer research

# Enzymes and coenzymes in Enzyme Yeast Cells Dr. Wolz®

## Enzyme Yeast Cells Dr. Wolz®



Enzymes belong to the protein group and control or speed up metabolic processes in the body. The term originates from Greek and means approximately „from yeast“. They are high-specialised and only react with a few compatible substances. A functioning organism therefore needs a large number of different enzymes. Coenzymes are comparatively simple compounds and temporarily bound to an enzyme. They support this in order to initiate chemical reactions. In doing so they are consumed and constantly have to be supplied to the body through food.

Upon ingestion vital yeast cells at first reach the stomach. There they are able to withstand the negative influences resulting from the acidic pH value and can then briefly line the intestinal wall. However, as is the case with supplying pro-

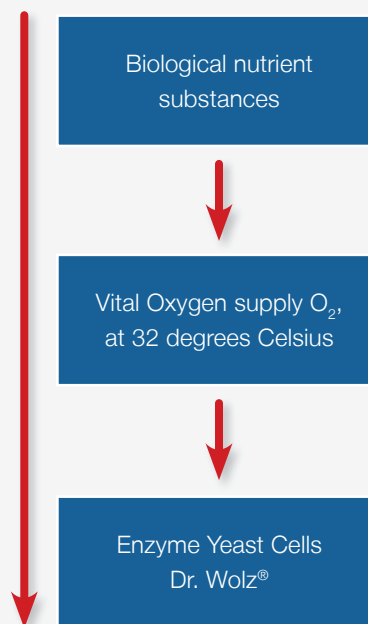
biotic lactic acid bacteria, yeast cells cannot survive in the bowel in the long run. There is now scientifically corroborated evidence for the good bioavailability of vitamins B6 and B12 (important for vegetarians), folic acid, iron, selenium, chrome and coenzyme Q6 from yeast preparations. As for enzymes, which are also classed as macromolecules, it has been proven using enzyme products that they can actually penetrate into the bloodstream, partially undigested, through persorption and pinocytosis and can, for example, break down pathogenic immune complexes in the organism. The general use of enzymes in food is being discussed in relation to improved nutrient exploitation or - utilization.

# Oxygen enzyme fermentation by the Dr. Wolz process

## The production of Enzyme Yeast Cells Dr. Wolz®



### The special, several-day Dr. Wolz process:



#### Why are Enzyme Yeast Cells Dr. Wolz® not comparable with other yeasts?

Brewer's yeast is a waste product from breweries. It is heated, processed into powder, flakes or tablets and has no enzymatic activity.

Enzyme Yeast Cells Dr. Wolz® are enzymatically active, but do not multiply in the bowel.

With the aid of oxygen enzyme fermentation, according to the special Dr. Wolz process, Dr. Wolz Zell GmbH has succeeded in developing a unique product containing billions of fresh Enzyme Yeast Cells Dr. Wolz®. A single daily portion of Zell Oxygen® plus contains about 200 billion fresh Enzyme Yeast Cells Dr. Wolz®, each with 50 - 100 mitochondrial DNA per cell. Enzyme yeast grows as a pure culture under optimal aerobic conditions and therefore contains all the enzymes, vitamins, minerals and trace elements of an active cell. The cells are contained in the product such that they cannot multiply in the human body and the cell constituents can be absorbed. Defects in the human mitochondrial genome lead to a poorer supply of energy to the cell, and changes in the mitochondrial DNA lead to signs of ageing, disease and finally to ageing itself.

Every single Enzyme Yeast Cells Dr. Wolz® contains such a rich spectrum of active enzyme groups, amino acids, minerals, trace elements and vitamins that it could also be considered a biochemical laboratory. The bioactive Enzyme Yeast Cells Dr. Wolz® remain enzymatically active and can make their rich resources of nutrients and ingredients available to our body.

# Enzyme Yeast Cells Dr. Wolz®

A biochemical laboratory for complementary therapy

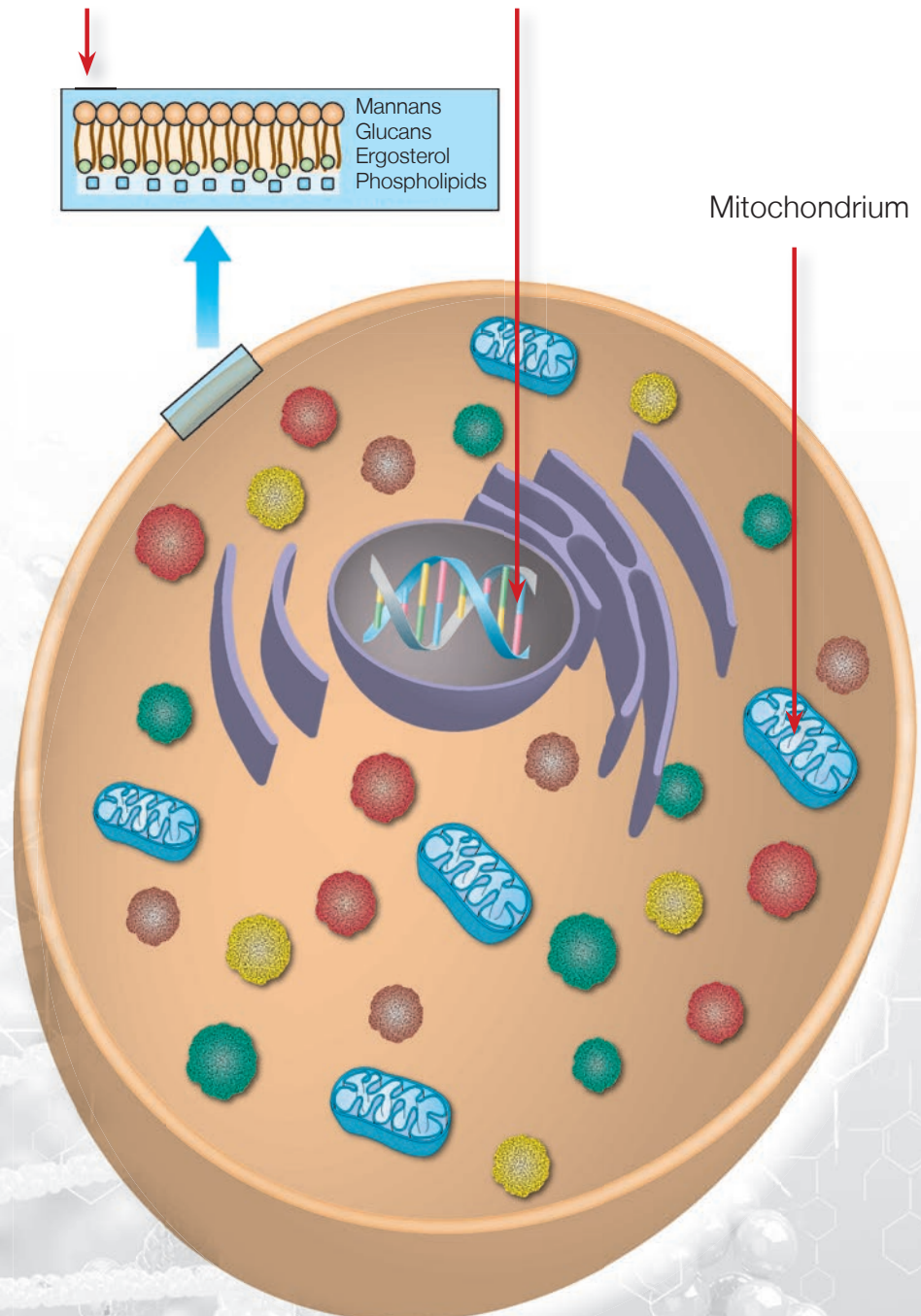
**Enzyme Yeast Cells Dr. Wolz® contains a wealth of highly bioavailable substances:**

- ✓ Polymeric carbohydrate structures
- ✓ Glucans (zymosan)
- ✓ Mannans
- ✓ Mitochondria
- ✓ Active SH groups
- ✓ Active glutathione
- ✓ Superoxide dismutase (SOD)
- ✓ Catalase
- ✓ Cytochrome oxidase
- ✓ Vitamin C
- ✓ Vitamin E
- ✓ Natural selenium, chromium, zinc
- ✓ Coenzym-A
- ✓ NADH
- ✓ Coenzyme Q 6
- ✓ Vitamin B complex (incl. folic acid, biotin)
- ✓ Trace elements (mainly biologically bound in enzymes)

## Schematic diagram of an Enzyme Yeast Cell Dr. Wolz®

Cell wall structure

Cell nucleus with DNA



Mitochondrion

### Enzymes

Enzyme (Greek) – means “in the yeast”. This term was chosen because of the high enzyme content. Oxygen enzyme fermentation assures this abundance of enzymes and coenzymes.

# Frequently asked questions

## on the products containing Enzyme Yeast Cells Dr. Wolz®

### **How should products containing Enzyme Yeast Cells Dr. Wolz® be taken?**

The Zell-Oxygen® products are concentrates which are taken diluted with a beverage of choice, e.g. fruit juice.

### **For how long can enzyme yeast products be taken?**

You can confidently take every product containing Enzyme Yeast Cells Dr. Wolz® on a sustained basis. No interruption of dosage is required. As free radicals are constantly formed in body cells or are supplied from the outside (cigarettes, environmental toxins) or also a deficiency of certain vital substances can occur, it therefore makes sense to take Enzyme Yeast Cells Dr. Wolz® on a permanent basis. Repeated annual 6-week regimens also make sense.

### **Do the yeasts in enzyme yeast-cell products multiply in the bowel?**

The yeasts in enzyme yeast-cell products are not capable of multiplication.

### **Do enzyme yeast cells encourage fungi to grow in the bowel?**

No, Enzyme Yeast Cells Dr. Wolz® even strengthen intestinal defence.

### **May I take enzyme yeast cell products with a candidal disease?**

The yeasts used in the products are strains of Saccharomyces (e.g. Saccharomyces cerevisiae) and have nothing to do with Candida albicans, except for them also being classified as yeasts. They are called non-disease-causing yeasts (apathogenic yeasts). Unlike Candida albicans, these yeasts stimulate the immune system in various ways (phagocytosis, IgA production) and so help to prevent the spread of Candida albicans. Enzyme Yeast Cells Dr. Wolz® also make a valuable contribution to nutrition through their content of nutrient and active substances (incl. enzymes, B vitamins, minerals, trace elements), especially in the event of an infestation of Candida. So, products with Enzyme Yeast Cells Dr. Wolz® are even a recommendation for candidal disease.

### **Are products with enzyme yeast cells suitable for children, pregnant woman and nursing mothers?**

As enzyme yeast products contain a low proportion (between 8 and 12% vol.) of natural fermentation alcohol as a natural preservative, administration to children, pregnant

women, nursing mothers and alcohol-abusers is not recommended. For this group of people we instead recommend alcohol-free products e.g. for immune strengthening from the range of Dr. Wolz Zell GmbH.

### **Do the products with enzyme yeast cells contain lactose?**

Every product with Enzyme Yeast Cells Dr. Wolz® is free of lactose and milk protein.

### **Do the products with enzyme yeast cells contain gluten?**

None of the products with Enzyme Yeast Cells Dr. Wolz® contain gluten.

### **Do the products with enzyme yeast cells contain histamine?**

The products with Enzyme Yeast Cells Dr. Wolz® do not contain histamine.

### **Are products with enzyme yeast cells suitable for gout sufferers?**

Gout sufferers should take the natural purin content of yeast in their daily nutrition into account. There is no restriction for healthy people. Enzyme Yeast Cells Dr. Wolz® contain about 41 mg of uric acid per 30 ml.

### **Are preparations with enzyme yeast cells suitable for diabetics?**

Diabetics can take enzyme yeast cell products, but should take the respective calorific units into account (shown in the notes).

### **Are products with enzyme yeast cells suitable for marcumar patients?**

They can be taken quite safely.

### **Do products with enzyme yeast cells cause a weight increase?**

Products with Enzyme Yeast Cells Dr. Wolz® contain only a fraction of the recommended daily calorie intake. For instance, a day's supply (30 ml) of Zell Oxygen® plus contains only 272 kJ (65 kcal); equal to an apple 260 kJ (62 kcal).



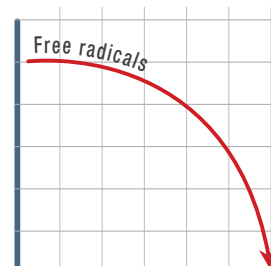
# Studies into Enzyme Yeast Cells Dr. Wolz®

**Institute Prof. Kurz, Cologne:**

## High anti-oxidative capacity

At the leading independent Institute Professor Kurz in Cologne Zell Oxygen® Immunkomplex was examined in terms of its anti-oxidative capacity. The ORAC value determined for this (oxygen radical absorbance capacity), which is a measure of the ability of a substance to neutralise free radicals, produced a value of 18,400 µmol TE/100 ml for Zell Oxygen® Immunkomplex (for comparison: 1 glass of 0.2 l orange juice has 1,400 µmol, 100 g apple has 2,600 µmol, 100 g Kiwi has 800 µmol, pineapple has 800 µmol and tomatoes have 400 µmol).

**Investigation from 22.7.2010 by Institute Prof. Dr. Georg Kurz GmbH, Cologne**

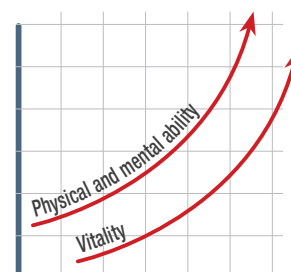


**University of Hamburg:**

## Improving performance

Professor Dörling of the University of Hamburg tested Zell Oxygen® on athletes and in his observational study came to the conclusion that the product improves the organism's resistance to physical, chemical and biological sensors in relation to specific triggers and thus contributes to improving vitality and performance.

**Ref.: Ref.: Dörling, E. Sanuzella ZYM observational study, Hamburg 1991**

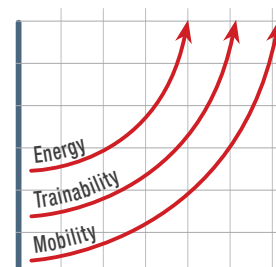


**Hamburg University for Applied Sciences:**

## More energy and mobility

Ecotrophologists of the faculty of sport at Hamburg University of Applied Sciences gave performance-oriented rowers Zell Oxygen® for over six weeks. Result: the subjects afterwards showed less fatigue from training and improvements were found in relation to energy, trainability and mobility.

**Ref.: Jettke, R. Dietary supplements in sport. Evaluation of a study into the impact of a biological yeast enzyme combination product on the regeneration of young performance-oriented competitive rowers. Hamburg: 2003.)**

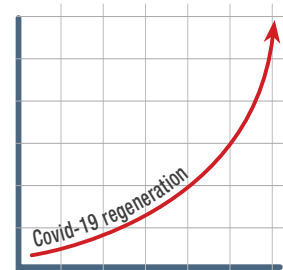


New Vision University Tbilisi:

## Faster COVID regeneration

The regular intake of a preparation containing enzyme yeast cells apparently supports regeneration after COVID disease. 37 people suffering from COVID-19 were given Zell Oxygen® for four weeks during the rehabilitation phase. Compared to a control group, the test subjects showed a significant improvement in their respiratory status and in the fatigue often observed after a COVID illness. The researchers assume that the enzyme yeast cells administered could trigger mitochondrial activation in the tissues.

Ref.: Saganelidze K., Bokuchava L. Zedelashvili I., Khukhuni, M.: Can a -glucan-containing orthomolecular agent (*Saccharomyces Sp.*) containing metabolic cofactors attenuate cytokine activation and alleviate hypoxia in COVID-19 patients?. *International Journal of Clinical Pharmacology & Therapeutics* (09/2023).

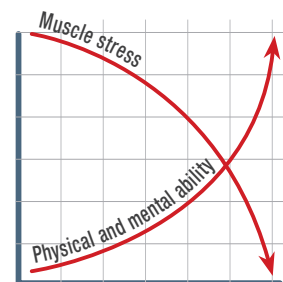


University of Valladolid/Spain:

## Decrease in muscular stress

Dr. Pablo Pereda Gonzalez of the University of Valladolid/Spain tested the effect of Zell Oxygen® in the context of a double-blind study on athletes. The result: Zell Oxygen® supports physical performance quantifiably by virtue of its ingredients. Zell Oxygen® makes sense in all processes which complicate cellular respiration at a mitochondrial level, e.g. when ingesting substances which are damaging to the cellular respiration chain or in the event of muscular stress.

Ref.: Pereda Gonzales P. Estudio a doble ciego de la efectividad de Sanuzella ZYM sobre la capacidad fisica en el hombre. *Valladolid*; 1999

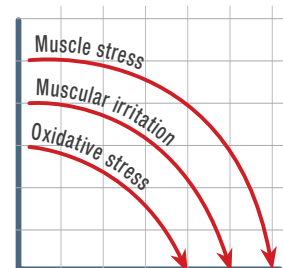


Universitätsklinikum Freiburg:

## Anti-inflammatory effects and better muscle metabolism

In the University Medical Centre Freiburg study Zell Oxygen® was given to healthy athletes for six weeks. The result: the blood values for myoglobin, fibrinogen and total creatinase, important for muscle stress, cell damage and inflammations, were significantly lower than in the comparison group. The reason: the enzyme yeast cells supply bioactive substances to the organism which benefit the immune system and muscle metabolism due to their biological and biochemical properties.

Ref.: König, D., Keul, J., Northoff, H., Halle, M., Berg, A.: Effect of a 6-week nutrient intervention with enzymatically active yeast cells and antioxidants on physical stress and antioxidant status. *Wiener Medizinische Wochenschrift* 1999; 149 (1): 13-1818

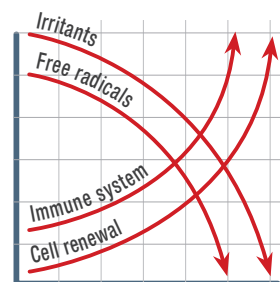


Institute for Cytobiological Test Systems:

## Anti-inflammatory and cell-renewing

The studies of the Institute for Cytobiological Test Systems certify that Zell Oxygen® Immun-komplex neutralises excess reactive oxygen radicals, has an anti-inflammatory effect on endogenous regulatory systems and is clearly immunostimulating. Furthermore, a cell-renewing and vitalising effect could be demonstrated.

Ref.: Dartsch, C. Animal experiment-free cytobiological investigations into favourable effects of „Sanuzella® ZYM sportsline“. Test report and technical information (for health professionals in accordance with § 12 LFGB). 15.11.2010

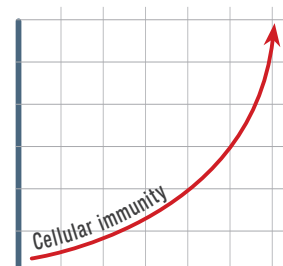


Tbilisi State Medical University

## Improvement in immune parameters in cancer patients

At the Research Centre of the Tbilisi State Medical University Zell Oxygen® was given to subjects in advanced stages of primary liver cancer in order to activate their immune response. The control group consisted of 15 patients with an advanced form of liver cancer, who were only given doxorubicin and cyclophosphamide drug therapy. Result: within three months the cellular immunity of the observed patients had increased by 29 percent compared to the control group.

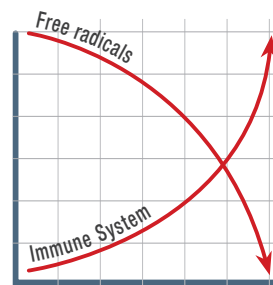
Tavartkiladze, A.: The Role of Cellular immunity in the Pathogenesis and Treatment of Patients with Primary Liver Cancer, *Poster Cancer Diagnosis & Therapy Congress, London 2015*



University of Freiburg:

## Strengthening of the immune system and reduction of oxidative stress

At the University of Freiburg immunological and anti-oxidative regulation was examined on the basis of micronutrients supplied with Dr. Wolz yeast cell products. Clinically healthy individuals took Zell Oxygen® each morning. Result: a significantly positive influence on the blood concentration of the free radicals. The consumption leads to a reduction in radical concentration and a possible adjustment of the anti-oxidative regulation.

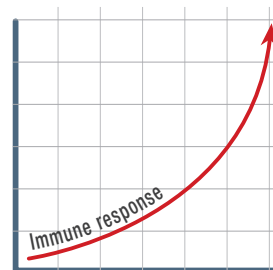


Ref.: Deibert, P., König, D., Schaffner, D., Stensitzky-Thielemans, A., Fink, B., Berg, A.: Effect of a dietary supplement based on enzyme yeast cells on immune reaction and oxidative stress in clinically healthy individuals, in: Zeitschrift für Sport- und Präventivmedizin 2011 41/2, S.15-20

University of Freiburg:

## Verifiable modulation of the cellular immunity immune response

The University of Freiburg examined whether an immune reaction can be determined after taking Zell Oxygen® for several weeks. Lipopolysaccharide stimulation was performed and blood samples were tested specifically for changes in cytokine IL-6, TNF-alpha and hs-CRP activity. Result: the beta glucans in Zell Oxygen® caused an elevated degree of immune cell sensitisation. Cellular immunity, which is measured by IL-6 and TNF-alpha, was demonstrably modulated. In contrast, the placebo product (orange juice) was not found to have any effect on the immune system during the study.

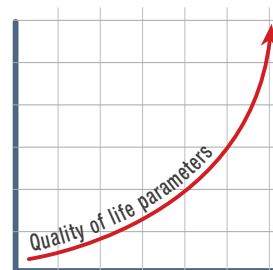


Ref.: Deibert, P., König, D., Schaffner, D., Stensitzky-Thielemans, A., Fink, B., Berg, A.: „Effect of a glucan-rich dietary supplement based on enzyme yeast cells on LPS-induced cytokine stimulation“, Berg A., Deibert P. et al., published in the Zeitschrift für Sport- und Präventivmedizin 4/2011

Observational study from everyday practice

## Improvement in „life quality parameters“

The experienced alternative practitioner and book author Wolfgang Spiller has been using Zell Oxygen® very successfully in unspecific immune therapy in his naturopathy practice for over 20 years. In an observational study he gave 30 ml Zell Oxygen® to 786 patients three times a day for over three months, on one hand to improve immunological and metabolic regulation behaviour and on the other to obtain sufficient gene-reparative substances to improve and heal the disorders. The patient's main ailments were chronic-degenerative disorders, joint disease, gastrointestinal disorders, hypertension, depressions, tumours and autoimmune reactions. Quite striking was that almost all patients reported a clear general increase in performance, a rise in vitality, improved concentration and a greater mental balance. Symptoms had partly or completely disappeared, allopathic medicines were able to be reduced or discontinued. In his view Zell Oxygen® is therefore an adequate product for clearly improving the so-called „life quality parameters“ such as „strong immune system“, mood, drive, sleep and digestion.

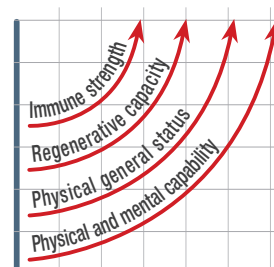


Ref.: Observational study on immune deficiency with treatment using Zell Oxygen® Immunkomplex, Wolfgang Spiller, alternative practitioner and nutritionist, Villingen-Schwenningen 2010

Skischule Stams (Austria)

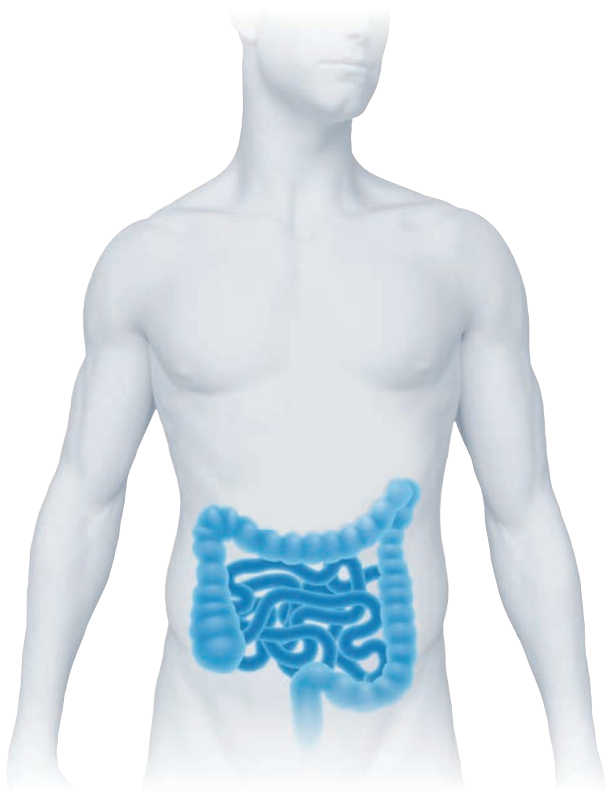
## Improving performance in competitive athletes

During the 1993 season the Austrian national ski-jumping team tested Zell Oxygen®. 14 young ski jumpers aged between 18 and 24, who each took daily 20 ml of the product for a 6-month period, participated in this observational study. Result: afterwards, a large majority of the athletes reported an increase in their physical and psychological performance, an improved regenerative capacity, a stronger immune defence and improved physical well-being.



Observational study of Zell Oxygen® with athletes from the Austrian national ski-jumping team, Performed by: Paul Ganzenhuber, Chief coordinator of the Skischule Stams, 1993

# Observational studies of Dr. Wolz intestinal products

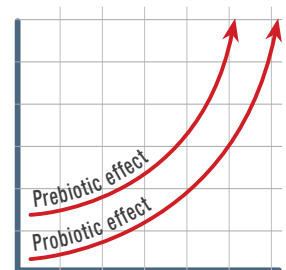


**Institute for Preventive Medicine (IPM)**

## Successful use with intestinal disorders

A prerequisite for the effect of probiotics, to have a health-promoting effect in the host organism as living microorganisms is that they are supplied in sufficient numbers. Because these prerequisites for the intestinal flora products are met by Dr. Wolz and because of the many years of clinical experience with Darmflora plus Dr. Wolz® in the sports medicine outpatient clinic of the University Medical Centre Freiburg the pro- and prebiotically effective intestinal flora products of Dr. Wolz Zell GmbH are also used successfully at the Institute for Preventive Medicine (IPM) Freiburg for different indications, e.g. irritable bowel syndrome, constipation, flatulence, unclear diarrhoea and travel preparation, stool passage with diverticula or haemorrhoids, neurodermatitis or lactose intolerance.

**Ref.: Empirical report on the therapeutic use of pre- and probiotic dietary supplements of Dr. Wolz Zell GmbH (Geisenheim) on developing and activating intestinal flora (Darmflora plus®, Darmflora plus select), Institute for Preventive Medicine (IPM) Freiburg (Priv. Doz. Dr. med. Peter Deibert, Prof. Dr. med. Daniel König and Prof. Dr. med. Aloys Berg)**

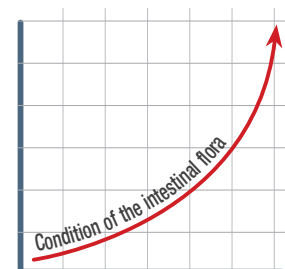


## Observational study from a naturopathy practice

### Effectively developing the intestinal flora

Darmflora plus select Dr. Wolz was developed especially for restoring a healthy intestinal flora. In the period from January 2010 to December 2010 we treated 433 patients, incl. 27 children, in our practice as part of a holistic biological therapy with Darmflora plus select Dr. Wolz. All the patients complained about vague disorders such as stomach pains, flatulence, irregular bowel movements, thin to diarrhoea-like bowel movements, frequent urge to defecate and food intolerances. When colonoscopies were performed, they did not result in a clinical diagnosis. Examinations for enteritis pathogens and parasites were usually unsuccessful. We consequently treated the patients by administering Darmflora plus select Dr. Wolz at a dosage of one capsule each morning and evening before meals for a three-month period. Result: in conjunction with nutritional therapies an improvement or a complete disappearance of the symptoms of irritable bowel syndrome was able to be observed in most patients..

**Ref.: Observational study for irritable bowel syndrome: treatment with Darmflora plus select Dr. Wolz, Wolfgang Spiller, alternative practitioner and nutritionist, Villingen Schwenningen 2010**



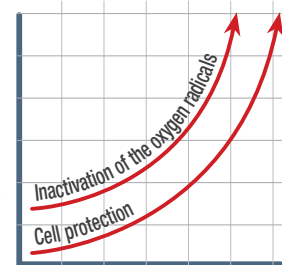
# Studies concerning Dr.-Wolz products with phytochemicals

**Institute for Cytobiological Test Systems**

## Anti-oxidative and cyto-protective effect

The Institute for Cytobiological Test Systems „Dartsch Scientific“ probed Vitalkomplex Dr. Wolz in several animal experiment-free investigations with cell-free and cell-based test systems and came to the result that Vitalkomplex Dr. Wolz reduces the exogenous and freely circulating oxygen radicals, offers marked protection from reactive oxygen species in connective tissue cells and has a pronounced anti-inflammatory effect in cells that pass on inflammations. In summary the biochemist Prof. Peter Dartsch concludes that the complex composition of Vitalkomplex Dr. Wolz was able to prove its high efficacy in the investigations conducted. Furthermore, the results clarified that a synergistic effect of the constituents was achieved. Therefore taking Vitalkomplex Dr. Wolz can be particularly recommended for improving the situation with chronic inflammatory processes and for general strengthening of the organism following strenuous therapies or surgery. This recommendation also applies to the efficient reduction of oxidative stress as a preventive measure for protecting the health.

**Ref.: Dartsch, C.: Vitalkomplex Dr. Wolz - Animal experiment-free cytobiological investigations of anti-oxidative and anti-inflammatory effects, Schongau 2013**

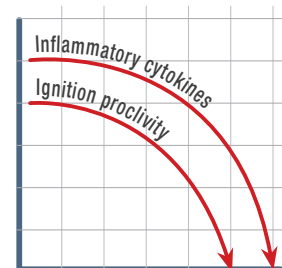


**VivaCell Biotechnology Laboratory**

## Anti-inflammatory Effect Inflammatory Cytokines

In a study by the independent test laboratory VivaCell Biotechnology the effect of Vitalkomplex Dr. Wolz on the formation of proinflammatory cytokines in human monocytes and T-lymphocytes was investigated. It was shown that due to the addition of Vitalkomplex Dr. Wolz the production of cytokines such as TNF- $\alpha$  or Interleukin-6 was clearly lower in these cells than in untreated comparative cells. This is probably due to the effect of the flavanoids and phenol acids contained in the product. Vitalkomplex Dr. Wolz thus inhibits critical inflammatory mediators and has an anti-inflammatory effect. Therefore according to study leader Dr. Bernd Fiebich Vitalkomplex Dr. Wolz is especially interesting for all syndromes with an inflammatory background.

**Ref.: Fiebich, B.: Effects of Vitalkomplex Dr. Wolz on inflammatory parameters in primary human monocytes and lymphocytes, Freiburg 2014**

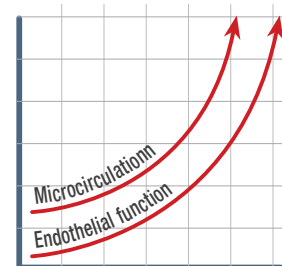


**BioTeSys GmbH**

## Improved microcirculation

Through combining two Dr.-Wolz products with phytochemicals a significantly better circulation of blood can be achieved. This is especially important for diabetics or people with vascular disorders and cardiovascular problems. The institute BioTeSys thus combined our product Cardio care with a high standardised cocoa flavanol content with our Vitalkomplex Dr. Wolz, a concentrate with a high standardised polyphenol content, and tested the effect this combination had on blood flow. Doing so made it possible to determine a clear, almost 40 percent, increase in blood flow in the skin by the subjects taking both products on one occasion. The increase in blood flow was still clearly recognizable even at the end of the four-hour observation period. The combined administration of cocoa flavanols and phenol-rich concentrates therefore benefits the increase in blood flow and so the improvement in microcirculation and endothelial function.

**Ref.: BioTeSys GmbH: Internal study to investigate the effect of Vitalkomplex Dr. Wolz and the combination of Vitalkomplex Dr. Wolz and Cardio care Dr. Wolz on the microcirculatory blood flow, Esslingen 2015**



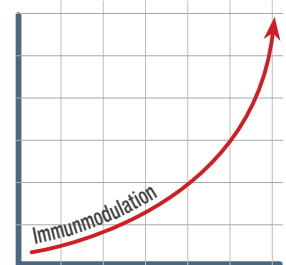
# Studies about Dr. Wolz colostrum products

## VivaCell Biotechnology Laboratory

### Immunomodulatory effects

The independent test laboratory VivaCell in Freiburg, led by Dr. Bernd Fiebich, examined Colostrum Immun from Dr. Wolz in relation to its immunomodulatory effect. Result: Dr. Wolz Colostrum exhibits immunomodulatory effects by dose-dependent inhibition of LPS-induced TNF-alpha release and promotion of IL-8 synthesis. In Superenterotoxin B (SEB)-stimulated T-lymphocytes Colostrum Immun Dr. Wolz prevents the SEB induced IL-2 synthesis in a dose-dependent manner.

Ref.: Fiebich, B.: Effects of Dr. Wolz Colostrum Immun on inflammatory parameters in primary human monocytes and lymphocytes. Freiburg 2013

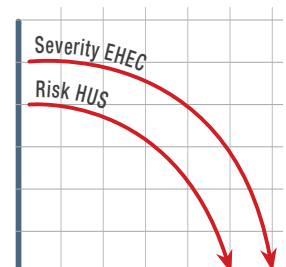


## Julius-Maximilians University, Würzburg

### Relieving severe diarrhoea (EHEC) in children

In a randomised clinical study by Würzburg University 30 children with severe (haemorrhagic) diarrhoea, caused by enterohemorrhagic E. coli, received Dr. Wolz Colostrum or a placebo product. In the treated group the average frequency of bowel movements fell by 3.5 faeces to 1 a day ( $p < 0.0027$ ) and the time interval for the normalization was about 50% shorter in comparison to the placebo. The excretion rate of E. coli (intimin and EHEC haemolysin) was higher (85%) than in the placebo group (56%). Severe diarrhoea caused by EHEC with the danger of a haemolytical-uraemic syndrome (HUS) is common in children on all continents. The results of the clinical investigations show Dr.-Wolz Colostrum products to be the means of choice for effective prevention of haemolytical-uraemic syndrome.

Ref.: Huppertz, Hl., Rutowski, S., Busch, DH., Eisebit, R., Lissner, R., Karch, H.: Bovine colostrum ameliorates diarrhea in infection with diarrheagenic Escherichia coli, shiga-toxin-producing E. coli and E. coli expressing intimin and hemolysin. J Pediatr Gastroenterol Nutr, 1999; 29: 452-256

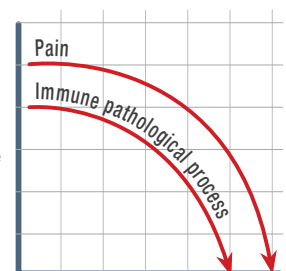


## University Clinic Würzburg

### Pain relief for fibromyalgia

Polyvalent bovine colostrum concentrates reduce the symptoms in conditions of chronic pain. There are clear indications of a link between immunopathological processes and chronic pain. The pain centre at University Clinic Würzburg has many years of experience in treating various groups of pain patients with bovine colostrum concentrates and has tested Dr. Wolz Colostrum on approximately 200 fibromyalgia patients. Result: ingestion of 5 to 10 g a day on 10 to 14 consecutive days showed a positive effect on 30-50% of the patients.

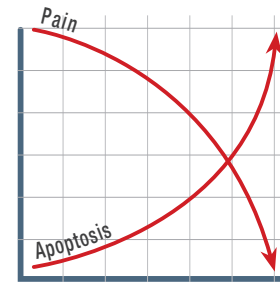
Ref.: Struff, WG. Sprotte, G. Bovine colostrum as a biologic in clinical medicine: A review part II: Clinical studies. Int J Clin Pharmacol Ther. 2008; 46: 211-225



## Fibromyalgia: Improving apoptosis

Monocyte apoptosis is disrupted in fibromyalgia patients. As the monocytes trigger the pain, disrupted apoptosis gives rise to chronic pain. In a pilot study by Würzburg University it was possible to verify that colostrum concentrate from Dr. Wolz, aided by its content of immunoglobulins, initiates apoptosis. 3 out of 4 patients in the study were free of pain after oral administration of Colostrum Dr. Wolz.

Ref.: Waaga-Gasser, A.M. et al.: Oral immunoglobulin induces mononuclear cell apoptosis in patients suffering from idiopathic chronic pain syndrome: Results from a pilot study. *International Journal of Clinical Pharmacology and Therapeutics*, Vol. 47 – No 7/2009 (421-433)

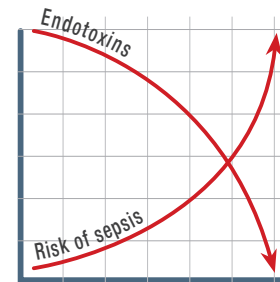


## University of Ulm

### Lessening the risk of sepsis after surgery

The colostrum concentrate from Dr. Wolz neutralises endotoxins and so reduces the risk of sepsis. Background: gram negative bacteria of the intestinal tract and their toxins play a crucial role in the emergence of sepsis after major operations and generally in patients receiving intensive-medical care. The use of bactericidally effective antibiotics to prevent an invasion of pathogens releases endotoxins (lipopolysaccharide LPS) from the decomposing bacteria which gives rise to organ damage. In a clinical study 40 randomised patients who had to undergo gastrointestinal surgery received either Lactobin® N from Dr. Wolz or a placebo product. The main purpose of the study was to determine the plasma endotoxin (LPS) level progression and endotoxin neutralisation capacity (ENC) by measuring daily until Day 10 after surgery. The endotoxin level increased in both groups due to the translocation from the gastrointestinal tract during surgery. In the Lactobin® group the endotoxin level, however, remained significantly lower than in the placebo group. The Dr. Wolz colostrum simultaneously delayed the decline in the ENC, and overall it was lower and also normalised faster after surgery. Overall, the ENC values experienced a highly-significant improvement in the Lactobin group compared to the placebo group.

Ref.: Böлке, E. et al.: Preoperative oral application of immunoglobulin-enriched colostrum milk and mediator response during abdominal surgery. *Shock* (2002) 17:9-12 und Böлке, E. et al.: Enteral application of an immunoglobulin-enriched colostrum milk preparation for reducing endotoxin translocation and acute phase response in patients undergoing coronary bypass surgery – a randomised placebo-controlled pilot trial. *Wien Klin Wochenschr* (2002) 114:923-928

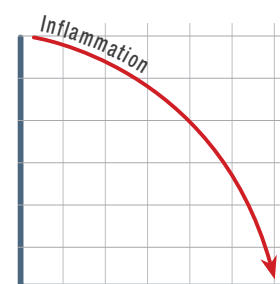


## Julius-Maximilians University, Würzburg

### Dr. Wolz Colostrum has anti-inflammatory effects on immune cells.

Colorectal cancer (CRC) is frequently associated with dysbiosis of the gut microbiome which, together with a compromised gut barrier, can result in perioperative endotoxin leakage into the circulation. Constant local and systemic inflammatory activity is suggested to facilitate metastases formation. Previous studies have pointed to the capacity of a colostrum preparation to neutralize endotoxins within the gastrointestinal tract which could ameliorate associated inflammatory responses and tumor recurrence in affected patients. This study aimed to examine the effects of the colostrum preparation Lactobin®N (KMP01D) provided by Dr. Wolz on the inflammatory activity of patient-derived immune cells. Lactobin®N demonstrated beneficial ex vivo effects on inflammatory cytokine responses in PBMCs and enhanced apoptosis of immune cells from CRC patients. In line with previous clinical trials, we present new evidence endorsing Lactobin®N as a treatment strategy to regulate stage-dependent local and systemic inflammation in CRC patients.

Gasser, M. et al.: KMP01D Demonstrates Beneficial Anti-inflammatory Effects on Immune Cells: An ex vivo Preclinical Study of Patients With Colorectal Cancer. *Front. Immunol.*, 30 April 2020



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# Detoxification, strengthening, regeneration

# Zell Oxygen® plus

Protective enzyme and nutrient complex for use in mitochondriopathies

- Mitochondriopathies and associated disorders (oxygen deficiency syndrome)
- Detoxification
- During and following stages of illness for strengthening and regeneration
- Orthomolecular basic provision
- Chronic disorders



Zell Oxygen® plus has been a proven combination of vital substances for supporting mitochondrial cell health in everyday naturopathic practice for over 50 years. The Enzyme Yeast Cells Dr. Wolz® content acts as a bioactive vital substance carrier, which does not multiply in the body. They are especially thin-walled and can therefore be optimally interpreted by the human organism. Enzyme yeast cells are directly active on cellular respiration, where they counteract mitochondriopathic processes. Many users report that they „feel as if they have taken a rejuvenation therapy, but without any side effects“.

Zell Oxygen® plus contains a great number of bioactive protection enzymes, such as superoxide dismutase, coenzymes such as Q6 or NADH, biomaterials and cytoprotective substances and minerals, vitamins and trace elements (zinc, selenium).

#### 1 daily dosage of 30 ml contains

##### Bioactive substances: (abstract)

6,000 different proteins, which are very similar to human proteins, Glutathione, cell wall components

glucans 1.6 / 1.3 mannans, SH-group-rich Scleroproteins, Glucosamins, peptides, phosphates, phosphatidylcholine, cardiolipin, ergosterol, Chromosomal and mitochondrial DNA sequences

##### Enzymes, co-enzymes: (abstract)

Proteases, cytochrome oxidases, invertase, superoxide dismutase, NADH,  $\alpha$ -lipoic acid, Q6, Q10

##### Vitamins

Vitamin B1	2,2 mg
Vitamin B2	2,8 mg
Vitamin B6	2,8 mg
Vitamin B12	5 $\mu$ g
Niacin (NE)	16 mg
Pantothenic acid	6 mg
Biotin	100 $\mu$ g
Natural Vitamin E ( $\alpha$ -TE)	24 mg

##### Amino acids

Glycine	170 mg
Alanine	230 mg
Serine	190 mg
Threonine	190 mg
Valine	210 mg
Leucine	270 mg
Aspartic acid	400 mg
Glutamine	590 mg
Arginine	190 mg
Lysine	280 mg
Cysteine	39 mg
Methionine	60 mg
Tyrosine	125 mg
Phenylalanine	160 mg
Proline	130 mg
Tryptophane	45 mg

##### Minerals, Trace elements:

Phosphor	60 mg
Potassium	230 mg
Magnesium	12 mg
Sodium	25 mg
Iron	300 $\mu$ g
Manganese	100 $\mu$ g
Copper	350 $\mu$ g
Molybdenum	10 $\mu$ g
Calcium	10 mg
Zinc	5 mg
Selenium	55 $\mu$ g



Bottle 250 ml  
Economy pack  
(3 x 250 ml)

#### Mode of action

- Anti-oxidative
- Anti-inflammatory
- Cell-protective
- Improvement in cellular respiration

#### Recommended intake

Zell Oxygen® plus is a concentrate, therefore as required 20-30 ml (2-3 tablespoons) a day diluted with 200-270 ml of a beverage taken at or after meals in one or more doses.

#### Notes

Not suitable for children, pregnant women, nursing mothers and alcoholics. Suitable for diabetics. Each daily dose is equivalent to 0.6 BU

**Free from gluten, lactose, colouring agents and preservatives.**



# Recommended by top clubs and professional athletes

Deutscher Ruderverband



**Deutschland-Achter**

Olympic champions, world and European champions



**Telekom Baskets Bonn**

Team in the 1st Basketball Bundesliga,  
8-time finalist (championship & cup)



MITGLIED DER EINTRACHT GEMEINSCHAFT

**Eintracht Frankfurt**

German champion, DFB Cup winner and UEFA Cup winner



**Saxony-Anhalt Olympic Training Centre**

Service and support facility for top-level sport in the Olympic,  
Paralympic and Deaflympic fields

# Sanuzella® ZYM sportsline

**Ampoule drinking programme containing an active substance complex specially for athletes**

- Increased burden in training (oxidative stress)
- Reduction of muscular stress
- Shortening of regeneration
- Boosting the immune system
- Improving performance



Sanuzella® ZYM sportsline is a product which has long been proven for supporting athletic performance. Olympic teams, Bundesliga clubs and top athletes are among the daily users, as are recreational athletes and people under stress at work. In addition to the abundant Enzyme Yeast Cells Dr. Wolz® and their biological protective enzymes, it also contains phytochemicals, bioflavonoids, coenzymes, such as Q10 and minerals, vitamins and trace elements. The performance enhancing effect has been confirmed by the university in Freiburg. It probed the impact of a six-week administration of Enzyme Yeast Cells Dr. Wolz® on physical performance and cell stress among a group of endurance athletes. The results showed an optimal utilization of oxygen linked to an improvement in muscular performance and a decline in oxidative stress. Sanuzella® ZYM is tested regularly by the German Sports University, Cologne for banned substances and therefore is guaranteed to be drug-free.

**1 daily dosage of 20 ml contains**

**Bioactive substances: (abstract)**  
**6,000 different proteins, which are very similar to human proteins,**  
 Glutathione, cell wall components glucans 1.6 / 1.3 mannans, SH-group-rich Scleroproteins, Glucosamins, peptides, phosphates, phosphatidylcholine, cardiolipin, ergosterol, Chromosomal and mitochondrial DNA sequences Phytochemicals from fruit and vegetable complexes,

Vitamins	
Vitamin B1	3,3 mg
Vitamin B2	4,2 mg
Vitamin B6	4,2 mg
Vitamin B12	7,5 µg
Niacin (NE)	32 mg
Biotin	150 µg
Natural Vitamin E (α-TE)	36 mg
Pantothenic acid	6 mg
Amino acids	
Glycine	113 mg
Alanine	153 mg

Amino acids	
Serine	130 mg
Threonine	130 mg
Valine	140 mg
Leucine	180 mg
Aspartic acid	270 mg
Glutamine	390 mg
Arginine	130 mg
Lysine	190 mg
Cysteine	26 mg
Methionine	40 mg
Tyrosine	85 mg
Phenylalanine	105 mg
Proline	90 mg
Tryptophane	30 mg

Minerals, Trace elements:	
Phosphorus	40 mg
Potassium	153 mg
Magnesium	17 mg
Sodium	200 µg
Iron	67 µg
Manganese	233 µg
Copper	7 µg
Molybdenum	7 mg
Calcium	67 mg
Zinc	5 mg
Selenium	55 µg

Active substances of the capsules:	per capsule
Beta-Glucan from yeast	53 mg
Hesperidin	25 mg
Lycopene	2 mg
Coenzyme Q10	30 mg
Folic Acid	200 µg
Vitamin C	40 mg

Combination pack  
 14 x 20 ml + 14 capsules

**Official equipment for many athletes**

- Mode of action**
- Anti-oxidative
  - Anti-inflammatory
  - Cell-protective
  - Improvement in cellular respiration

**Recommended intake**  
 Zell Oxygen® ZYM sportsline is a concentrate, therefore take 1 vial a day diluted with 125 ml of a beverage taken at or after meals in one or more doses, plus 1 capsule.

**Notes**  
 Not suitable for children, pregnant women, nursing mothers and alcoholics. Suitable for diabetics. Each daily dose is equivalent to 0.7 BU

**Free from gluten, lactose, colouring agents and preservatives. Capsules from vegetable cellulose.**



# Zell Oxygen® + Royal Jelly 600 mg

Ampoule drinking programme with concentrated energy to boost physical forces



- Convalescence after illness and surgery
- General regeneration
- Strengthening for the elderly
- Exhaustion, tiredness
- Chronic fatigue syndrome/burnout



14 x 20 ml

## Mode of action

- Anti-oxidative
- Anti-inflammatory
- Cell-protective
- Improvement in cellular respiration

## Recommended intake

Zell Oxygen® Royal Jelly is a concentrate, therefore take 1 vial a day diluted with 125 ml of a beverage taken at or after meals in one or more doses.

## Notes

Not suitable for children, pregnant women, nursing mothers and alcoholics. Suitable for diabetics. Each daily dose is equivalent to 0.7 BU

**Free from gluten, lactose, colouring agents and preservatives.**

Combining Enzyme Yeast Cells Dr. Wolz® with fresh Royal Jelly results in a further potentiation of biogenic stimulation. It has been used chiefly as a nutrient and regenerative product for over 40 years. The precious Royal Jelly provides for a queen-bee throughout her life. Queens, with a one- to two-year lifespan, outlive worker bees almost ten times. They have a much larger body, grow much faster and manage to lay some 2,000-3,000 eggs in a day.

As there is no genetic difference to a worker bee, development into the queen occurs solely due to ingestion of the secreted nutrient Royal Jelly.

This exceptionally rich mixture of precious ingredients is enzymatically unlocked by the bee to enable it to have a high degree of bioavailability.

### 1 daily dosage of 30 ml contains

#### Bioactive substances: (abstract)

6,000 different proteins, which are very similar to human proteins,

Glutathione, cell wall components glucans 1.6 / 1.3 mannans, SH-group-rich Scleroproteins, Glucosamins, peptides, phosphates, phosphatidylcholine, cardiolipin, ergosterol, Chromosomal and mitochondrial DNA sequences, enzymes, co-enzymes: (abstract), proteases, cytochrome oxidases, invertase, superoxide dismutase, NADH, a-lipoic acid, Q6, Q10

#### Royal Jelly 600g

##### Vitamins

Vitamin B1	1,1 mg
Vitamin B2	1,4 mg
Vitamin B6	1,4 mg
Vitamin B12	2,5 µg
Niacin (NE)	16 mg
Pantothenic acid	6 mg
Biotin	50 mg

##### Amino acids

Glycine	113 mg
Alanine	153 mg
Serine	127 mg
Threonine	127 mg
Valine	140 mg
Leucine	180 mg
Aspartic acid	267 mg
Glutamine	393 mg
Arginine	127 mg
Lysine	187 mg
Cysteine	26 mg
Methionine	40 mg
Tyrosine	83 mg
Phenylalanine	107 mg
Proline	87 mg
Tryptophane	30 mg

##### Minerals,

##### Trace elements:

Phosphorus	40 mg
Potassium	153 mg
Magnesium	8 mg
Sodium	17 mg
Iron	200 µg
Manganese	67 µg
Copper	233 µg
Molybdenum	7 µg
Calcium	7 mg



# Zell Oxygen® ZYM anti-aging

**Ampoule drinking programme with a highly anti-oxidative protection complex**

- Elevated oxidative stress (e.g. due to illness, smoking, burden of environmental toxins)
- Premature ageing and degenerative processes
- Mitochondriopathies



„Oxidative stress“, i.e. chiefly an excess of free oxygen radicals caused by malnutrition, stress, environmental toxins, inflammatory processes in the body and smoking, is a key trigger for ageing processes. Zell Oxygen® ZYM anti-aging is a special active substance complex which was developed to counteract premature ageing processes. Numerous medical, biochemical and genetic investigations have been able to demonstrate that Enzyme Yeast Cells Dr. Wolz® contribute to anti-aging in aging- and cell repair processes. For example, Zell Oxygen® ZYM anti-aging with its abundant Enzyme Yeast Cells Dr. Wolz® and its biological protective enzymes mitigates the process of cell damage triggered by free radicals at every step - from membrane damage, through cellular clearing reactions, through systematic inflammation reactions.

**Bioactive substances: (abstract)**  
6,000 different proteins, which are very similar to human proteins,

Glutathione, cell wall components glucans 1.6 / 1.3 mannans, SH-group-rich Scleroproteins, Glucosamins, peptides, phosphates, phosphatidylcholine, cardiolipin, ergosterol, Chromosomal and mitochondrial DNA sequences Phytochemicals from fruit and vegetable complexes,

**Enzymes, co-enzymes: (abstract):**

Proteases, cytochrome oxidases, invertase, superoxide dismutase, NADH,  $\alpha$ -lipoic acid, Q6, Q10

Vitamins		Amino acids		Minerals, Trace elements:	
Vitamin B1	3,3 mg	Serine	130 mg	Phosphorus	40 mg
Vitamin B2	4,2 mg	Threonine	130 mg	Potassium	153 mg
Vitamin B6	4,2 mg	Valine	140 mg	Magnesium	17 mg
Vitamin B12	7,5 µg	Leucine	180 mg	Sodium	200 µg
Niacin (NE)	32 mg	Aspartic acid	270 mg	Iron	67 µg
Biotin	150 µg	Glutamine	390 mg	Manganese	233 µg
Natural Vitamin E ( $\alpha$ -TE)	36 mg	Arginine	130 mg	Copper	7 µg
Pantothensäure	6 mg	Lysine	190 mg	Molybdenum	7 mg
		Cysteine	26 mg	Calcium	67 mg
		Methionine	40 mg	Zinc	5 mg
		Tyrosine	85 mg	Selenium	55 µg
		Phenylalanine	105 mg		
		Proline	90 mg		
		Tryptophane	30 mg		
		Glycine	113 mg		
		Alanine	153 mg		

Active substances of the capsules:	per capsule
Beta-Glucan from yeast	53 mg
Hesperidin	25 mg
Lycopene	2 mg
Coenzyme Q10	30 mg
Folic Acid	200 µg
Vitamin C	40 mg



Combination pack  
14 x 20 ml + 14 capsules

## Mode of action

- Anti-oxidative
- Anti-inflammatory
- Cell-protective
- Improvement in cellular respiration

## Recommended intake

Zell Oxygen® ZYM anti-aging is a concentrate, therefore take 1 vial a day diluted with 125 ml of a beverage taken at or after meals in one or more doses, plus 1 capsule.

## Notes

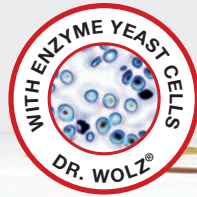
Not suitable for children, pregnant women, nursing mothers and alcoholics. Suitable for diabetics. Each daily dose is equivalent to 0.7 BU

**Free from gluten, lactose, colouring agents and preservatives. Capsules from vegetable cellulose.**



# Zell Oxygen® formula

Ampoule drinking programme specially for the female body



- Menstrual disorders
- Support for skin and connective tissue
- Hair health and growth
- Exhaustion, tiredness



14 x 20 ml

## Gold Medal at the Supplement Awards in Greece

### Mode of action

- Anti-oxidative
- Anti-inflammatory
- Cell-protective
- Improvement in cellular respiration
- Hormone-modulating

### Recommended intake

Zell Oxygen® formula is a concentrate, therefore take 1 vial a day diluted with 125 ml of a beverage taken at or after meals in one or more doses.

### Notes

Not suitable for children, pregnant women, nursing mothers and alcoholics. Suitable for diabetics. Each daily dose is equivalent to 0.7 BU

**Free from gluten, lactose, colouring agents and preservatives.**



Zell Oxygen® formula is an active and natural combination of active substances to suit the female metabolism. Its therapeutic use is particularly recommended during the menopause.

Taking the special formula has an equally beneficial effect throughout the structure of skin and hair from the inside out. Zell Oxygen® formula supplies the female body with a wide diversity of cytoprotective vital substances and phytoestrogens (plant hormones), in order to better cope with the burden of the menopause and support natural beauty with the selected repair complex from within. Apart from the proven Enzyme Yeast Cells Dr. Wolz® and its biological protective enzymes each portion of Zell Oxygen® formula contains 600 mg Royal Jelly, 300 mg millet extract, 60 mg soya isoflavones (without genetic engineering), evening primrose oil and the vitamins pantothenic acid, biotin and D3.

### 1 daily dosage of 20 ml contains

Royal Jelly	600 mg
Soya-Isoflavones	60 mg
Millet extract	300 mg

### Bioactive substances: (abstract) 6,000 different proteins, which are very similar to human proteins,

Glutathione, cell wall components glucans 1.6 / 1.3 mannans, SH-group-rich Scleroproteins, Glucosamins, peptides, phosphates, phosphatidylcholine, cardiolipin, ergosterol, Chromosomal and mitochondrial DNA sequences,

### Enzymes, co-enzymes: (abstract):

Proteases, cytochrome oxidases, invertase, superoxide dismutase, NADH,  $\alpha$ -lipoic acid, Q6, Q10

### Minerals, Trace elements:

Phosphorus	40 mg
Potassium	153 mg
Magnesium	8 mg
Sodium	17 mg
Iron	200 $\mu$ g
Manganese	67 $\mu$ g
Copper	233 $\mu$ g
Molybdenum	7 $\mu$ g
Calcium	7 mg

### Amino acids

Glycine	113 mg
Alanine	153 mg
Serine	127 mg
Threonine	127 mg
Valine	140 mg
Leucine	180 mg
Aspartic acid	267 mg
Glutamine	393 mg
Arginine	127 mg
Lysine	187 mg

### Amino acids

Cysteine	26 mg
Methionine	40 mg
Tyrosine	83 mg
Phenylalanine	107 mg
Proline	87 mg
Tryptophane	30 mg

### Vitamins

Pantothenic acid	6 mg
Biotin	150 $\mu$ g
Vitamin D3	5 $\mu$ g = 200 I.E.

# Vitalkomplex Dr. Wolz

Systematic therapeutic use of vital materials and phytochemicals



- For complementary nutraceutical therapy and prevention (esp. metabolic syndrome, cancer, cardiovascular diseases)
- Chronic inflammation and associated disorders
- For deficiency due to malnutrition, loss of appetite, malabsorption, old age, etc.



**2016 Health Product of the year**  
**2021 Vegan Health Product of the Year**  
**2024 Premium Health Product of the Year**  
**2024 Gold Medal at the International Congress for Complementary Medicine**

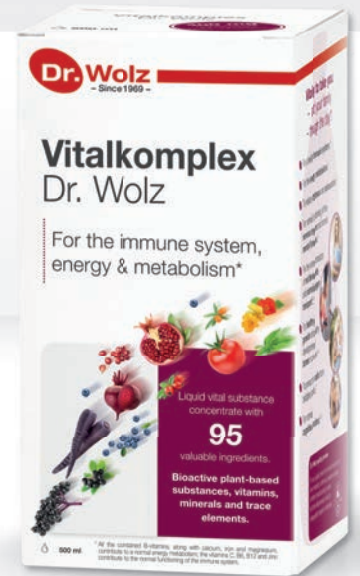
Vitalkomplex Dr. Wolz is a high-quality multi-micronutrient preparation for offsetting a deficit of micronutrients typical for many indications. The selection of the kinds of fruits and vegetables with the natural vitamins, minerals and trace elements and above all phytochemicals they contain was made on the basis of current nutritional knowledge and many years of research and experience. The anti-oxidative, anti-inflammatory and cell-protective effect has been verified in studies. A daily portion supplies 20 ml of phytochemicals from 800 g of especially selected fruit and vegetables. The high-dose provision of a standardised quantity of phytochemicals is aimed at containing inflammatory reactions and the associated chronic disorders.

This enables Vitalkomplex Dr. Wolz to offer therapists a reliable component for adjuvant nutritional therapy. In Vitalkomplex Dr. Wolz phytochemicals are not isolated, but provided in their natural matrix and in combination with other herbal substances and dietary fibre enabling them to cooperate in synergy and be highly bioavailable.

The bioactive natural substances in Vitalkomplex Dr. Wolz come from a wide range of fruits and vegetables, herbs, fungi and extracts. These include acerola cherry, aronia, red grapes, apple, pomegranate, elderberry, blueberry, rosehip, blackcurrant, sea buckthorn, Jerusalem artichoke, beetroot, black carrot, camu camu, chlorella, mallow blossom, galangal root, nasturtium seeds and blossoms, pumpkin seeds, turmeric root, artichoke blossom, rosemary leaves, shiitake mushroom and tomatoes. It also contains lactic acid fermented sauerkraut juice.

1 daily dosage of 20 ml contains	
Vitamin B1	0,54 mg
Vitamin B2	1,1 mg
Niacin (NE)	10 mg
Pantothenic acid	3 mg
Vitamin B6	1,2 mg
Vitamin B12	1,1 µg
Natural Vitamin E (α-TE)	5,4 mg
Vitamin C	24 mg
Vitamin D2	10 µg (400 I.E.)
Biotin	25 µg

Calcium	120 mg
Iron	2,1 mg
Magnesium	57 mg
Zinc	3 mg
Total polyphenols	400 mg
of which total anthocyanins	145 mg
of which procyanidin A	95 mg
Lycopene from tomato	2,0 mg



vegan



Bottle 500 ml

**Defined amount of phytochemicals**

### Mode of action

- Anti-oxidative
- Cell-protective
- Combination of modes of action of different phytochemicals (anti-inflammatory, anti-carcinogenic, anti-atherogenic)

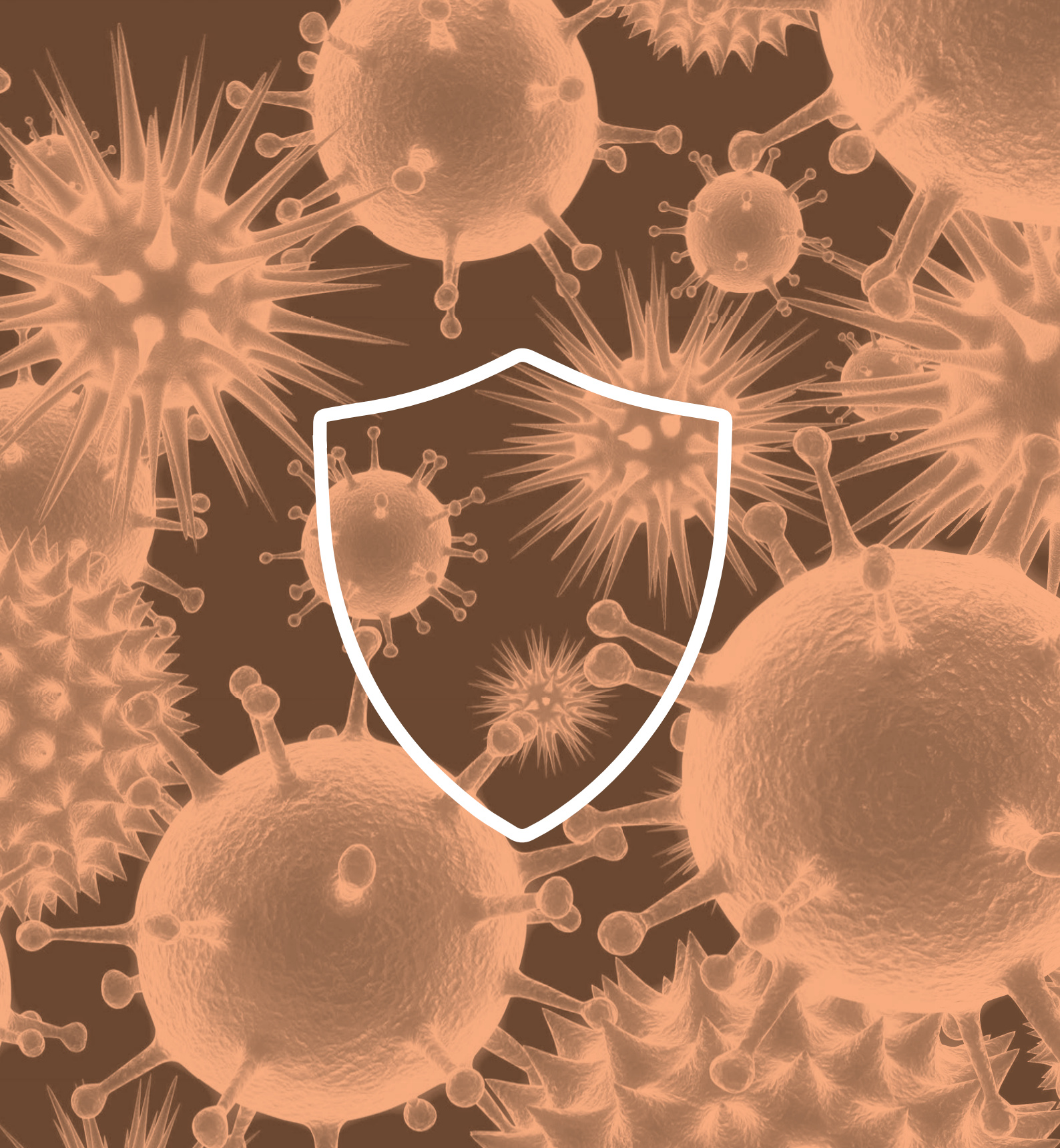
### Recommended intake

Take 20 ml of the concentrate, also diluted as required with half a glass of non-carbonated water or juice. Children take half the amount. The natural ingredients should be shaken prior to use.

**X Detailed product information available!**

**Free from gluten, lactose, colouring agents and preservatives.**





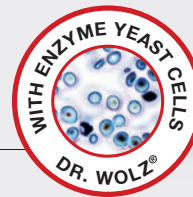
# Immune therapy

# Zell Oxygen® Immunkomplex

Immune-active preparation  
with natural immune strength



- Immune weakness (general and with chronic disorders)
- Recurring infections
- Prior to, during and after surgery (infection prevention)
- Oxidative stress
- After radio- and chemotherapy



Zell Oxygen® Immunkomplex is an immune-active concentrate with enzyme yeast cells and a high content of bioavailable beta- 1.3- and 1.6-glucan. It acts as an immunomodulator, i.e. it can both stimulate and counteract an excessive immune response. For example, it attaches itself to various cells of the unspecific immune system. This involves it binding to a beta-glucan receptor in macrophages and thus stimulating the production of cytokines such as TNF (tumour necrosis factor)-alpha and IL (interleukin)-I beta. This stimulates specific defence reactions. In addition, yeast-based beta glucan can activate natural killer cells and interact with receptors on monocytes and neutrophils, so that they only produce cytokines and other immune-modulating substances when required. Studies verify the anti-oxidative and cytoprotective effect.



Bottle 250 ml  
Economy pack  
(3x250 ml)

## Bronze Medal at the Supplement Awards in Greece

### Mode of action

- Immune modulating (High content of beta-glucans)
- Stimulates the killer cells of the defense system
- Anti-oxidative
- Anti-inflammatory

### Recommended intake

Zell Oxygen® Immunkomplex is a concentrate, therefore as required 20-30 ml (2-3 tablespoons) a day diluted with 200-270 ml of a beverage taken at or after meals in one or more doses.

### Notes

Not suitable for children, pregnant women, nursing mothers and alcoholics. Suitable for diabetics. Each daily dose is equivalent to 1.3 BU

**X Detailed product information available!**



**Free from gluten, lactose, colouring agents and preservatives.**

### 1 daily dosage of 30 ml contains

**Bioactive substances: (abstract)**  
6,000 different proteins, which are very similar to human proteins,

Glutathione, cell wall components glucans 1.6 / 1.3 mannans, SH-group-rich Scleroproteins, Glucosamins, peptides, phosphates, phosphatidylcholine, cardiolipin, ergosterol, Chromosomal and mitochondrial DNA sequences Phytochemicals from fruit and vegetable complexes, enzymes, co-enzymes: (abstract), proteases, cytochrome oxidases, invertase, superoxide dismutase, NADH,  $\alpha$ -lipoic acid, Q6, Q10

Vitamins		Amino acids		Minerals, Trace elements:	
Vitamin B1	2,2 mg	Glycine	107 mg	Phosphorus	37,5 mg
Vitamin B2	2,8 mg	Alanine	145 mg	Potassium	145 mg
Vitamin B6	2,8 mg	Serine	120 mg	Magnesium	8 mg
Vitamin B12	5,0 µg	Threonine	120 mg	Sodium	16 mg
Niacin (NE)	16,0 mg	Valine	135 mg	Iron	188 µg
Pantothenic acid	6 mg	Leucine	170 mg	Manganese	63 µg
Biotin	100 µg	Aspartic acid	250 mg	Copper	220 µg
Natural Vitamin E (α-TE)	24 mg	Glutamine	370 mg	Molybdenum	6,5 µg
Vitamin D3	5 µg (200 I.E.)	Arginine	120 mg	Calcium	6,5 mg
		Lysine	175 mg	Zinc	10 mg
		Cysteine	24 mg	Selenium	55 µg
		Methionine	38 mg		
		Tyrosine	78 mg		
		Phenylalanine	100 mg		
		Proline	81 mg		
		Tryptophane	28 mg		

Beta Glucans	
(1-3),(1-6)-β-D-glucan	900 mg

# KinderImmun\*

Immune modulation for children aged 2 and above and pregnant women and nursing mothers



65 g  
30 sticks of 2 g

## Silver Medal at the Supplement Awards in Greece

### Mode of action

- Immunomodulation
- Synbiotic

### Recommended intake

Powder: Children between 2 and until 7 years age 2 measuring spoons per day and from 7 years age and adults 3 measuring spoons per day. Stir KinderImmun Dr. Wolz in cold beverages, yoghurt or desserts.

Stick: Children from 2 to under 7 years 1 Stick / day, children from 7 years and adults take 1.5 Sticks / day. Stir with a cold drink or yoghurt.

### Notes

Suitable for diabetics.

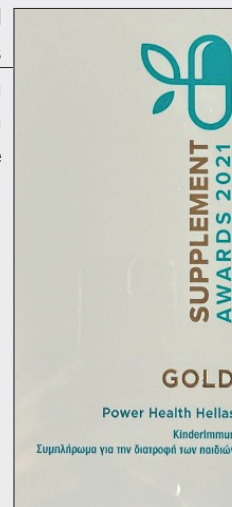
**X Detailed product information available!**

**Free from gelatine, gluten and colouring agents.**



- For active and passive strengthening of the immune system
- With recurring infections
- With allergies
- In the growth phase
- During pregnancy and breastfeeding for strengthening the immune system
- After antibiotic therapies

Gold Medal  
for Children's  
Health  
Products in  
Greece



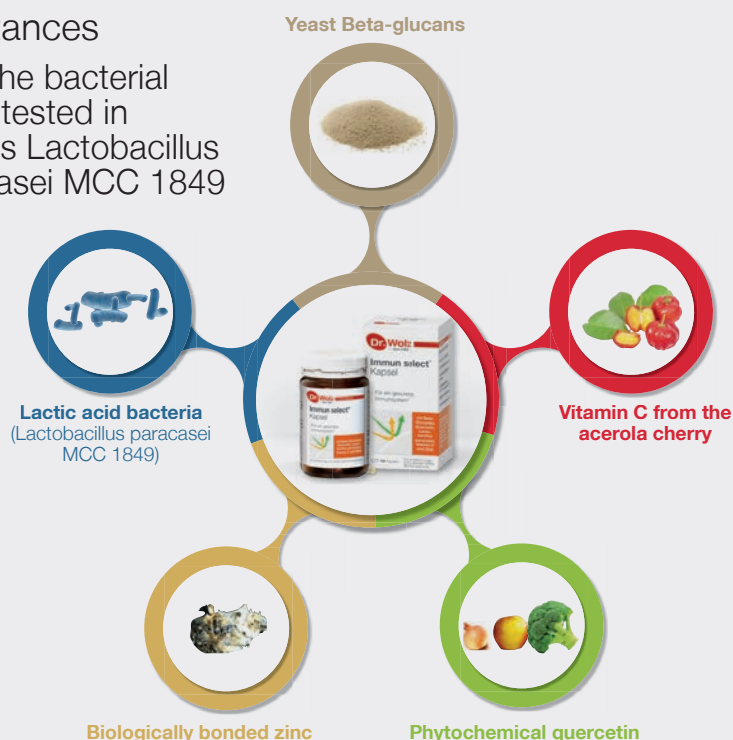
The frequency of recurring infections in children is due to their immunological immaturity in conjunction with the risk of infection from frequent contact with other children at school and nursery school. The cause of infantile immune weakness is commonly attributed to defects in the body's natural defence shield such as the intestinal flora, which, especially in children, is often disrupted due to too frequent use of antibiotics. And boosting the intestine-based immune system is exactly where KinderImmun from Dr. Wolz acts: lactic acid bacteria ensure activation of the intestine-specific defence system. Beta-D glucans stimulate defence cells and activate the immune system. Zinc yeast supports the immune system. Acerola juice powder contains a high degree of naturally sourced vitamin C. Colostrum from New Zealand's grazing cows, protected with passive antigens. Vitamin D has an important effect on the inherent and the acquired immune system, by inhibiting excessive immune responses (e.g. allergies) and so prevents or eases autoimmune disorders. The selected B-complex vitamins constitute a useful supplement due to their significance for the infant development process, and also for the immune system (B6, B12, folic acid).

1 serving contains:	1 Stick (2g)
Inulin	1,5 mg
(1-3) (1-6) -beta-D-glucans	67 mg
Vitamin C	32 mg
Colostrums concentrate	124 mg
Zinc yeast (= zinc)	200 mg (2 mg)
Bifidobacterium longum (= lactic acid bacteria)	18 mg (1,8 Mrd.)
Vitamin B1	0,44 mg
Vitamin B2	0,56 mg
Vitamin B6	0,56 mg
Vitamin B12	1 µg
Folate 80	80 µg
Vitamin D3	6,7 µg (266 I.E.)

# Immun select\* Capsule

Three different “worlds” combined in one capsule

- For the immune system and cell protection
- With five selected substances
- With the bacterial strain tested in studies *Lactobacillus paracasei* MCC 1849



Immune select merges five specially selected substances to form a natural immune active complex. The product combines the best of three “worlds”, the worlds of bacteria, fungi and plant substances. In addition to the classic lines of defence, zinc (organically bound in citrate form) and vitamin C (from acerola cherries), Immune select contains the bioactive substance (1,3/1,6)-beta-glucan from yeast cell walls at a dosage of 900 mg per daily dose. There are special receptors for beta-glucan on the macrophages of the intestinal mucosa.

Another ingredient is the lactic acid bacterium *Lactobacillus paracasei* MCC1849. This was selected among thousands in human studies due to it having comparatively exhibited the greatest potential of the strains investigated in terms of the immune system.<sup>1</sup> The formulation is rounded off by the phytochemical quercetin. This natural yellow dye from the polyphenol group chiefly occurs in onions, apples and broccoli. However, it is largely destroyed by storage and preparation (especially when heated). As quercetin is mainly present in the peel, it is also lost when these types of fruit and vegetables are peeled. Quercetin has shown very promising potential in studies relating to colds.<sup>2</sup>

Daily ration	2 apssules	4 apssules
Vitamin C	40 mg	80 mg
Zinc	5 mg	10 mg
Beta-Glucanes	450 mg	900 mg
<i>Lactobacillus paracasei</i> MCC1849	10 mg (5 Billion cells, inactivated)	20 mg (10 Billion cells, inactivated)
Quercetin	15 mg	30 mg

<sup>1</sup> Murata M. et al. (2018): Effects of paraprobiotic *Lactobacillus paracasei* MCC1849 supplementation on symptoms of the common cold and mood states in healthy adults. *Benef Microbes*. 9(6):855-864. <sup>2</sup> kinker et al.: Quercetin: A Promising Treatment for the Common Cold. *J Anc Dis Prev Rem* 2014, 2:2.



120 capsules

## Recommended intake

Take 4 capsules a day with liquid. Children aged 4 and above take half a dose. If required, you can pull the capsules apart to open them.

**Gluten-free and no lactose, maltodextrin and dyes.**



# Lactobin® N

Colostrum concentrate from New Zealand with highly-dosed immunoglobulins



70 g

## High IgG fraction

### Mode of action

- Antibodies effect against bacteria and bacterial toxins
- Immunomodulation
- Promoting monocyte apoptosis (Analgesic)

### Recommended intake

Depending on the indication  
5 - 10 g / day.

### Notes

Suitable for diabetics.

**X Detailed product information available!**

**Free from gelatine, gluten and colouring agents.**



- Chronically recurring diarrhoea
- Heavy haemorrhagic diarrhoea through infection with E. coli
- Detoxification of the liver/liver function disorders
- Therapy of tumour cachexia
- Chronic pain states (fibromyalgia, trigeminus neuralgia)
- Leaky gut syndrome

Lactobin® contains a standardised concentrate from the colostrum of New Zealand grazing cows, which is especially rich in active substances and brings about passive immunisation of the young. In addition to cytokines, growth factors and enzymes this highly complex mixture of immune- and growth factors, vitamins, minerals, amino acids, proteins and fats most importantly contain class IgG1 immunoglobulins with a large spectrum of specific antibodies against pathogenic bacteria and viruses. The colostrum is further improved at Dr. Wolz by the following factors:

- higher IgG content
- additional antibiotic effect of the immunoglobulins on an extended range of harmful pathogens
- increased proportion of lactoferrin

Lactobin® is therefore suitable for different indications, for which there are studies available from the University of Wurzburg, such as fibromyalgia, EHEC and reduction of the risk of sepsis after surgery.

There are patents available for the treatment of chronic pain and liver function disorders. The immunoglobulins, antimicrobial peptides (lactoferrin), growth factors and cytokines contained support the regeneration of the sensitive intestinal cells and also boost their resistance to stress and temperature. Therefore colostrum is also recommended as an option for treating 'leaky gut syndrome'. Unlike products, which can only be used for non-clinical indications (lifestyle, sport), Lactobin® meets all the requirements for use in patients receiving standard treatments.

#### 1 daily ration of 10 g powder contains:

Defatted colostrums concentrate	10 g
which of Immunoglobulin G	21,1 %
Lactoferrin 300	300 mg
IgA	43 mg
IgM	80 mg
IgF-1	7,1 µg
IgF-2	2 µg
TgF beta-1	1,5 µg

TgF beta-2	10,1 µg
EgF	0,8 µg
Lactoperoxidase	250-900 E
Amino acids	
Fatty acids	
Trace elements	
Minerals	
Vitamin B6	0,7 mg
Vitamin B12	1,25 µg

# Colostrum Immun + Folsäure (Folic acid)

**High-quality colostrum with immunoglobulins, lactoferrin and folic acid**

- Immune weakness
- Recurring infections
- Allergies

Colostrum is a highly complex mixture of immune and growth factors, vitamins, minerals, amino acids, proteins, fats and carbohydrates, in which immunoglobulins play a special role in human medicine. The colostrum in Colostrum Immun + Folsäure is obtained from New Zealand's grazing cows in accordance with the specific requirements of Dr. Wolz Zell GmbH. After fat has been pretty much removed from this milk, the immune proteins are concentrated and dried in a gentle manner. At the same time the lactoferrin content is increased and standardised, the immunoglobulin content likewise. In New Zealand the cows are allowed to graze all year round and do not get any additional fodder; the use of fodder additives such as antibiotics is even prohibited. Thus, an especially broad spectrum of immunoglobulins is formed. Accordingly, the concentrate contains more than 20 percent of IgG and three percent of lactoferrin. New Zealand, being the origin, ensures freedom from BSE. The folic acid contained contributes to a normal immune system function and to reducing tiredness and exhaustion. Giving Colostrum Immun + Folsäure is indicated for general strengthening of the immune system, chiefly in times of overexertion and change of season, – in addition, for seasonally related stress of susceptible children, even those who do not like milk products. Colostrum Immun + Folsäure contains valuable natural ingredients such as bioactive proteins, amino acids and trace elements in a concentrated form, but first and foremost immunoglobulins, which passively support the immune system.

The independent test laboratory Viva-Cell in Freiburg has demonstrated that Colostrum Immun + Folsäure produces immunomodulatory effects through the dosage-dependent inhibition of LPS-induced TNF-alpha release and promotion of IL-8 synthesis. In superenterotoxin B (SEB)-stimulated T-lymphocytes Colostrum Immun Dr. Wolz prevents SEB induced IL-2 synthesis in a dosage-dependent manner.

1 daily ration of 5 capsules contains	
Colostrum concentrate (IgG)	950 mg (190 mg)
Folic acid	200 µg



125 capsules

**From New Zealand  
dairy cows**

#### Mode of action

- Immune modulating

#### Recommended intake

5 capsules per day during the meals with liquid. During the day or at once. Capsules can be opened to dilute content with the food. Not with hot liquids.

#### Notes

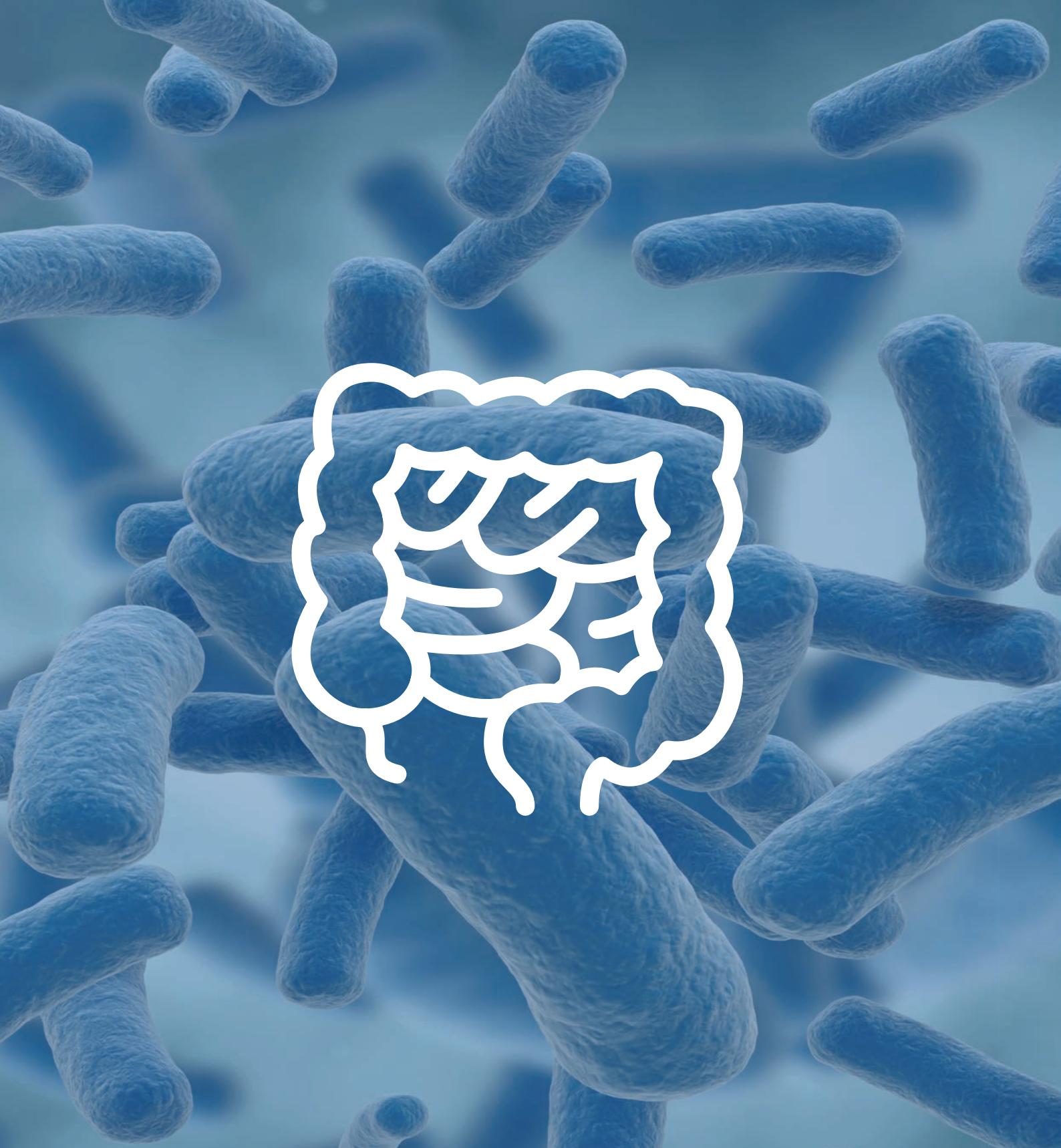
Suitable for diabetics.

**X Detailed product information available!**

**Free from gelatine, gluten and colouring agents.**

**Acidoresistant capsule from vegetable cellulose.**





# Microbiological Therapy

# Darmflora plus select\*

**High-dosage multi-species probiotic  
with selected, protected strains**

- Immune weakness and recurring infections
- Bowel cleansing and symbiosis control
- Intestinal disorders (e.g. diarrhoea)
- Irritable bowel
- Chronic-inflammatory bowel disease (CIBD) (ulcerative colitis, Crohn's disease)
- During and after antibiotic therapy
- Allergies
- Traveller's diarrhoea (also prevention)
- Eczema

Unlike most commercially available probiotic products, Darmflora plus select contains several different cultures of lactic acid bacteria whose specific properties act in synergy. Studies have shown that products with a multi-species concept are more effective than products with single cultures. Darmflora plus select contains eight different cultures which, based on the studies available, constitute a useful combination and act in different parts of the ileum and colon:

- Lactobacillus acidophilus
- Lactobacillus casei
- Lactobacillus rhamnosus
- Lactobacillus plantarum
- Bifidobacterium breve
- Streptococcus thermophilus
- Bifidobacterium bifidum
- Bifidobacterium lactis

## The strains of bacteria contained in Darmflora plus select

- are registered, genetically characterised, defined strains which are recognised as being safe. There are various human studies on efficacy.
- are resistant to various antibiotics.
- are acid-resistant, i.e. they survive in the stomach and gastrointestinal tract even at high acid concentrations.
- are protected against temperature effects, i.e. they do not have to be cooled.
- have a very good ability to stick to the intestinal mucosa.
- produce dextrorotary lactic acid.

The Streptococcus thermophilus contained supports lactose digestion.

### 1 Daily ration of 4 capsules contains:

Lactic acid bacteria	480 mg (48 billion)
Vitamin B1	1,1 mg
Vitamin B2	1,4 mg
Vitamin B6	1,4 mg
Vitamin B12	2,5 µg
Biotin	50 µg
Folic acid	200 µg



20 capsules

40 capsules

80 capsules

## Silver Medal at the Supplement Awards in Greece

### Mode of action

- Probiotic effect
- Immune modulating

### Recommended intake

4 capsules (48 billion lactic acid bacteria) during intestinal disorder, after antibiotics intake per day with liquid during the meal. During antibiotics intake in a 12 hours time delay. 2 capsules (24 billion lactic acid bacteria) cover the permanent use and the well being. Lactic acid cultures do not settle in the colon permanently. Therefore we recommend to use Darmflora plus select Dr. Wolz for some months. This secures the support of the intestinal flora function and the enhancement of the balance of intestinal microecological system.

### Notes

In the case of CIBD the product should not be given during the phase of the inflammation, but afterwards in order to prolong the remission.



**Suitable for diabetics.**

**X Detailed product information available!**

# Darmflora plus select intens\* resp. Probiotic Dr. Wolz - Ultra Strength

High-dose multi-species 22-strain probiotic for application as a cure



40 capsules  
80 capsules

## Recommended intake

Daily amount 4 capsules.

2 capsules with a meal accompanied by liquid in the morning and in the evening. For extended use the daily amount can be reduced to 1-2 capsules.

Children aged between 4 and 10 take half the dosage.

## Notes

Suitable for diabetics.

Capsules made from acid resistant cellulose. In cases of CED the product should not be given during the acute inflammatory phase.



**X Detailed product information available!**

Study overview of the contained bacterial strains available

## Gluten-free and no lactose and dyes.

The bacteria strains are free from histamine and tyramine-producing bacteria.



- For the immune system
- For regenerating the intestinal flora (e.g. in long-term antibiotic therapy or permanent medication with cortisone etc.)
- 120 billion lactic acid bacteria per daily dose



**2025 Gold Medal at the International Congress for Complementary Medicine**

## PHARMACY PRODUCT OF THE YEAR 2022

Kategorie OTC



Darmflora plus select intens\* / resp. Probiotic Dr. Wolz - Ultra Strength at 120 thousand million is a very high-dosage product with a high number of 22 different strains:

- Lactobacillus acidophilus La-14
- Lactobacillus casei Lc-11
- Lactobacillus paracasei Lpc-37
- Lactobacillus rhamnosus Lr-32
- Lactobacillus brevis Lbr-35
- Lactobacillus plantarum Lp-115
- Lactobacillus salivarius Ls-33
- Lactobacillus gasseri Lg-36
- Lactobacillus reuteri 1E1
- Lactobacillus fermentum SBS-1
- Lactobacillus delbrueckii subsp. - bulgaricus Lb-87
- Bifidobacterium lactis BI-04
- Bifidobacterium bifidum Bb-02
- Bifidobacterium breve Bb-18
- Bifidobacterium infantis M-63
- Bifidobacterium longum BB536
- Streptococcus thermophilus St-21
- Lactobacillus lactis LI-23
- Bifidobacterium Breve M-16V
- Lactobacillus rhamnosus GG
- Lactobacillus acidophilus NCFM
- Bifidobacterium lactis HN019

Administration of such a high-dosage product as a cure is recommended especially in long-term therapies with antibiotics or cortisone. By spreading the daily dose across several capsules it is possible to dispense this high-dosage product as individually required (indication, body weight). Another factor is that spacing the dosage across several time points ensures a more uniform supply of lactic acid bacteria to the intestine. So it is wiser to spread the full dose over several capsules. Consuming two capsules of Darmflora plus select intens / resp. Probiotic Dr. Wolz - Ultra Strength at different times of the day (two in the morning + two in the evening) enables the intestine to receive a uniform stream of lactobacilli over 24 hours.

### 1 Daily ration of 4 capsules contains:

Lactic acid bacteria	860 mg (120 billion)
Vitamin B1	1,1 mg
Vitamin B2	1,4 mg
Vitamin B6	1,4 mg
Vitamin B12	2,5 µg
Biotin	50 µg
Folic acid	200 µg

# Darmflora plus select complex\*

Combination of viable bacteria to colonize the intestine, an inactivated strain and phytochemicals

- 160 billion bacteria/day dose from 22 strains
- With a special flavonoid complex
- With the inactivated strain *Lactobacillus paracasei* MCC1849 ('postbiotic')

Darmflora plus select complex\* contains an innovative combination of 22 specially selected bacterial strains, a special inactivated *Lactobacillus* strain ('postbiotic') and a special complex of citrus flavonoids. All of these ingredients have been tested in numerous scientific studies. The vitamins B1, B2, B6, B12, biotin and folic acid support the mucous membranes in the intestine\* and the immune system\* and contribute to the growth of lactic acid bacteria.

The lactic acid bacteria contained in Darmflora plus select complex\* are very highly dosed at 160 billion per daily dose. They are stable against many antibiotic agents and are highly resistant to gastric and bile acids. The strains are active in different sections of the intestine. The available studies on these strains are very extensive. As the lactic acid bacteria ferment, short-chain fatty acids from them, the phytochemicals they contain, offer a high synergistic potential. Specifically, it is a complex of citrus flavonoids with a particularly high content of hesperidin and naringin.

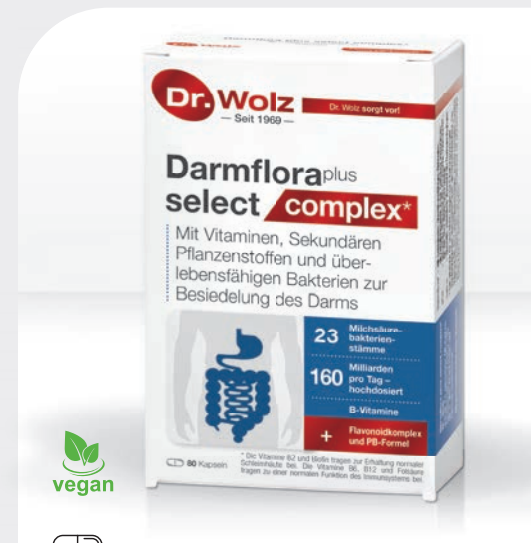
The latest studies show that they have an antioxidant and anti-inflammatory effect in the gut and also strengthen the intestinal barrier. For example, it has been shown that taking the citrus flavonoid complex for 12 weeks resulted in a significantly lower level of 'faecal calprotectin', a marker for inflammation of the intestinal mucosa and a high pathogen load in the intestine.

The production of short-chain fatty acids such as butyrate and propionate could also be increased by taking the citrus flavonoid complex, which in turn strengthens the intestinal barrier and counteracts inflammatory processes.

Another speciality of this preparation is the inactivated lactic acid bacteria strain *Lactobacillus paracasei* MCC1849 ('postbiotic') it contains. This strain was selected from thousands because it shows the highest potential in terms of supporting the immune system compared to the other strains.

Composition	1 capsule	2 capsules	4 capsules
Lactic acid bacteria	215 mg / 40 billion	430 mg / 80 billion	860 mg / 160 billion
<i>Lactobacillus paracasei</i> MCC1849, inactivated	2,5 mg 1,25 billion	5 mg 2,5 billion	10 mg 5 billion
Citrus flavonoid complex	125 mg	250 mg	500 mg
thereof Hesperidin	100 mg	200 mg	400 mg
thereof Naringin	6,3 mg	12,5 mg	25 mg
Vitamin B1	0,28 mg	0,55 mg	1,1 mg
Vitamin B2	0,35 mg	0,70 mg	1,4 mg
Vitamin B6	0,35 mg	0,70 mg	1,4 mg
Vitamin B12	0,63 µg	1,25 µg	2,5 µg
Biotin	12,5 µg	25 µg	50 µg
Folic acid	50 µg	100 µg	200 µg

\* Vitamin B2 and biotin contribute to the maintenance of normal mucous membranes. Vitamins B6, B12 and folic acid contribute to the normal functioning of the immune system.



40 capsules

80 capsules

## Recommended intake

The maximum daily dose is 4 capsules. Ideally, you should take 2 capsules in the morning and 2 capsules in the evening with a meal and liquid. The intake should be started with 1 capsule per day and slowly increased until the recommended daily dose is reached. When used continuously, the daily amount can be reduced to 2 capsules. Children between the ages of 4 and 10 take half the amount. During antibiotic therapy the capsules should be taken as far apart as possible from taking the antibiotic.

## Notes

In the case of IBD, during the acute inflammatory episode, the preparation should not be given, only afterwards. Suitable for diabetics.

**X Detailed product information available!**

**Gluten-free and free from gelatine, lactose, fructose, colourings and histamine. Gastro-resistant**



# Sanuzella® D

Probiotic for detoxification and for functional and inflammatory intestinal disorders



60 capsules

## Gold Medal at the Supplement Awards in Greece

### Mode of action

- Probiotic effect
- Anti-bacterial / Anti-toxic
- Anti-secretory

### Recommended intake

3 x 2 capsules per day before or during the meals with liquid; not with hot liquids. Capsules can be opened to dilute content with the food. For a permanent use 3 capsules per day.

### Notes

In the case of CIBD the product should not be given during the phase of the inflammation, but afterwards in order to prolong the remission. Suitable for diabetics.

### Additional product recommendation

Darmflora plus select

Without gelatine, lactose, gluten, colours and preservatives.

Capsule from vegetable cellulose



- Diarrhoea
- Traveller's diarrhoea (also prevention)
- CIBD, especially Crohn's disease
- Candida albicans
- Acne

Sanuzella® D contains a combination of the medical special yeast *Saccharomyces cerevisiae* CBS 59266 and the probiotic strain *Lactobacillus acidophilus* as well as the vitamins B1, B2 and B6. Due to the antibacterial, antisecretory and immunological effect of *Saccharomyces cerevisiae* CBS 5926 the uses for Sanuzella® D are intestinal disorders, and functional and also inflammatory intestinal disorders. This medical special yeast is considered to be the most extensively examined probiotic. *Saccharomyces cerevisiae* CBS 5926 is used both preventively and curatively, above all in the domain of diarrhoea. There are numerous studies available. A systematic and meta-analysis of 31 randomised, placebo-controlled groups of treatments in 27 studies with 5,029 patients concluded that *Saccharomyces cerevisiae* CBS 5926 was significantly effective in 84 percent of the treatment groups. According to this, use of the medical special yeast is recommended to prevent antibiotic-related diarrhoea and Traveller's diarrhea, to prevent diarrhoea caused by enteral nutrition, to reduce symptoms triggered by *Helicobacter pylori*, to prevent the return of diseases caused by *Clostridium difficile* to treat irritable bowel syndrome, acute diarrhoea in adults, chronic-inflammatory bowel disorders and other diarrhea types.

The special yeast *Saccharomyces cerevisiae* var. *boulardii* impresses with an antibacterial (binding of pathogens, formation of bactericidal active substances, destruction of bacterial toxins), antisecretory (increase in water absorption from the bowel) and immunological effect (increase in IgA, unspecific immune stimulation). In addition yeast increases enzyme activity (substitution of saccharase, induction of commensal colonic enzymes): It is resistant to gastric juice and able to live and multiply in the intestine.

### 1 Daily ration of 1 capsule of the medical yeast contains:

Saccharomyces cerevisiae (Boulardii)	260 mg
Lactobacillus acidophilus	10 mg
Vitamin B1	0,275 mg
Vitamin B2	0,35 mg
Vitamin B6	0,35 mg

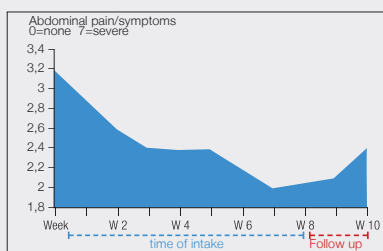
# Darm pro RDS\* (Colon pro IBS)

## Medical special yeast *Saccharomyces cerevisiae* CNCM I-3856

- For the intestinal mucosa
- Against Irritable Bowel Syndrom (IBS)
- Tested in studies
- High natural stability against gastric acid and bile acid and additional protection provided by acid-resistant capsule
- Fortified with the vitamins D3, B12, B1 and niacin

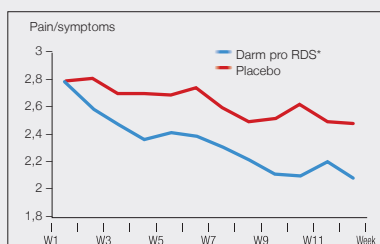
Darm pro RDS\* (Formerly known as Darmflora pro RDS\* Reizdarm) contains the genetically characterised and safe medical special yeast *Saccharomyces cerevisiae* CNCM I-3856. The microorganisms have a high natural resistance to gastric- and bile acid and are additionally protected by an acid-proof cellulose capsule. The effect of the special yeast on typical symptoms of IBS such as abdominal pain, constipation or flatulence is proven by two placebo-controlled, double-blind randomised studies: in 63% of subjects *Saccharomyces cerevisiae* CNCM I-3856 brought about a significant improvement in irritable bowel syndrome disorders/abdominal pain and symptoms. The pain returned upon cessation of administration. The patients were also able to benefit from taking *Saccharomyces cerevisiae* CNCM I-3856 in relation to the symptom „bloating stomach“. The flatulence was also able to be significantly reduced compared to the placebo. Furthermore, an observational study was performed with *Saccharomyces cerevisiae* CNCM I-3856 on 1,161 volunteers suffering from irritable bowel syndrome and the associated symptoms of abdominal pain and flatulence. 96% of the patients reported an improvement in intestinal well-being thanks to Darm pro RDS. 77% of the subjects already felt the positive effect of Darm pro RDS within 15 days.

### Decrease in abdominal pain/symptoms



In 63% of subjects *Saccharomyces cerevisiae* CNCM I-3856 brought about a significant improvement in irritable bowel syndrome disorders/abdominal pain and symptoms. The pain returned upon cessation of administration.

### Decrease in abdominal pain/symptoms



It could be shown that especially patients with constipation in the RDS subgroup RDS-0 benefited from taking *Saccharomyces cerevisiae* CNCM I-3856. Here the symptoms abdominal pain/disorders were able to be significantly reduced compared to the placebo.

Darm pro RDS contains	2 capsules	4 capsules
<i>Saccharomyces cerevisiae</i> CNCM I-3856	500 mg (4 billion)	1000 mg (8 billion)



60 capsules

Formerly known as Darmflora pro RDS Reizdarm

### Recommended intake

2 capsules per day with liquid. In IBS patients who above all suffer from constipation syndromes an increased dosage of 4 capsules a day can be given.

### Notes

Suitable for diabetics.

### Additional product recommendation

Darmflora plus select

Without gelatine, lactose, gluten and colours. Capsule from vegetable cellulose.



# Darmflora plus Kinder & Familie\*

Probiotic + HMO specially for children



68 g powder

## Recommended dosage

Children aged 1-2 years take 1 measuring spoon a day, aged 3 and above 2 measuring spoons, adults 2 measuring spoons a day (e.g. stir into yoghurt, muesli or beverages). Do not mix with hot drinks or meals.

## Notes

Darmflora plus Kinder + Familie is not suitable for children under the age of one because it contains HMO. For babies under the age of one we recommend Curabiom® baby.

**Gluten-free and no gelatine, lactose and dyes.**

- For a healthy infant development
- For the intestinal mucosa
- For an infant's immune system

Darmflora plus Kinder + Familie\* contains a specially balanced formulation for a child's health. It contains vitamin D for a child's immune system and for infant growth and bone development<sup>1</sup> and vitamin B2 to support mucous membranes, such as the intestinal mucosa, energy metabolism, the skin and the nervous system.

A special feature is galacto-oligosaccharide (HMO) 2'-fucosyllactose, a special component of so-called human milk oligosaccharides. They are complex carbohydrates which occur naturally in breast milk. HMOs are the main factor distinguishing between breast milk and cow's milk. 2'-fucosyllactose is the prevailing HMO in most mothers' breast milk, and it is still the best form of baby food compared to other infant formula. Breast-feeding is known to give a favourable outcome in terms of a child's growth, nutritional status, immune protection and long-term development results. This is why attempts are made to reduce the nutritional gap between breast milk and a baby's first food, which is largely based on dairy milk. 2'-fucosyllactose is by far, the most fully researched HMO. As 2'-fucosyllactose occurs in breast milk, it is particularly suitable for children who have not been breast-fed. Giving lactobacilli can make sense even in early childhood – especially if the child has not been breast-fed and/or was born by c-section. In particular, the special strains of probiotic – Lactobacillus acidophilus, Bifidobacterium longum, Bifidobacterium lactis – in Darmflora Kinder + Familie have shown positive effects in studies involving infants. They are present here at a high concentration of 3-6 thousand million per daily dose. Supplementing the formulation with the proven natural fibre inulin ensures that these lactobacilli in the intestine receive enough „food“.

This bowel stimulation has proven effective for the well-being of the intestine. Giving Darmflora plus Kinder + Familie is also particularly useful during and after giving antibiotics.

1 serving contains	per 1 measuring spoon	per 2 measuring spoons
Vitamin D3	0,75 µg (30 I.U.)	1,5 µg (60 I.U.)
Vitamin B2	0,21 mg	0,42 mg
2'-fucosyllactose	0,45 g	0,89 g
Inulin	0,52 g	1,0 g
Lactic acid bacteria	32 mg (3 billion)	63 mg (6 billion)



# Curabiom® Baby

## Probiotic and GOS for babies

- With fibre (GOS), which is particularly well tolerated by babies
- Specially selected strains of lactic acid bacteria
- For babies who are not breast-fed

Curabiom® Baby is a product specially developed for babies and pregnant women. It contains a combination of special strains of lactic acid bacteria

- Bifidobacterium infantis
- Lactobacillus acidophilus
- Lactobacillus rhamnosus
- GOS (galacto-oligosaccharide).

Giving lactic acid bacteria can be useful even for babies – particularly if they are not breast-fed and/or were born by c-section. So, Dr. Wolz specially developed Curabiom® Baby for babies, but pregnant women also benefit from the ingredients. The three special strains of lactic acid bacteria were selected on the basis of current studies. They are natural cultures of lactic acid bacteria, which were originally sourced from breast milk. They have proven effective for the development of babies and have been shown to be safe and well tolerated in mothers and babies. The galacto-oligosaccharide (GOS) constituents are fibre consisting of polysaccharides which is beneficial to the intestinal flora, because it reaches the large intestine undigested, where it is used by the intestinal bacteria as food. Scientific studies have shown, that a healthy intestinal flora characterised by bifidobacteria and lactobacilli develops in non-breastfed infants when the babies are fed a formula containing GOS. GOS is more similar to the galacto-oligosaccharides present in breast milk, than the plant-based fructo-oligosaccharides (FOS) which do not occur in breast milk at all.

1 serving contains	per 1 measuring spoon	per 2 measuring spoons
Lactic acid bacteria	42 mg (2,5 billion)	84 mg (5 billion)
which of Bifidobacterium infantis	29 mg	58 mg
which of Lactobacillus acidophilus	8,0 mg	16 mg
which of Lactobacillus rhamnosus	5,3 mg	11 mg
GOS (galacto-oligosaccharide)	259 mg	519 mg



54 g powder

### Recommended intake

Up to 6 months of age –  
one measuring spoon a day (0.9 g)

6 months and above –  
one measuring spoon twice a day  
(1.8 g)

Pregnant women –  
two measuring spoons twice a day  
(1.8 g)

Stir into liquid and consume as soon  
as possible.

Do not mix with hot drinks.

**Gluten-free and no gelatine and  
dyes.**



# Darm activ\* (Colon activ)

For regular bowel movements through a healthy bowel function



209 g powder  
400 g powder

## Recommended intake

Slowly increase the dosage of Darm activ\*: start with 1 measuring spoon (about 6 g) and increase the individual daily amount, e.g. one spoonful more each week until you feel the optimum effect. The recommended daily intake is three flat measuring spoons (= 19 g). Stir this into 200 ml of liquid or 200 g of soft cold food until the powder has dissolved.

## Notes

Increasing the amount you consume can cause bloating as the large intestine has not yet adjusted to Darm activ\* Dr. Wolz.

**Without gelatine,  
gluten and colours.**



- Regular bowel movements
- Gentle bowel regulation (also for pregnant women)
- Bowel regulation for disorders in which strong pressing should be avoided (e.g. anal fissures, haemorrhoids, after surgery, heart attack)

Darm activ\* Dr. Wolz is a soluble, non-swelling fibre product with inulin, lactulose, 2 strains of Bifidus and 2 strains of Lactobacillus (Lactobacillus acidophilus, Bifidobacterium longum, Bifidobacterium lactis, Lactobacillus casei). Inulin is a fibre for humans as it cannot be digested in the small intestine. Only in the large intestine is it able to be broken down by the bacteria of the healthy intestinal flora, where it is mainly used as food by the bifidus- and lactobacilli. The desirable metabolic products from intestinal bacteria produced while breaking down inulin, stimulate colon motility, boost the frequency of bowel movements and thus, provide natural support to normal bowel movements. Taking inulin and the additional bacteria strains contained in Darm activ Dr. Wolz thus, contributes to good intestinal function. Unlike conventional laxative methods no habituation effects occur. Nor is there any swelling of bowel content. Conventional laxatives include:

- 1.) Bulking agents:** such as psyllium which swell when fluid is ingested
- 2.) Osmotic agents:** such as laxative salt compounds or sorbitol which draw water into the intestines and keep it there
- 3.) Stimulative laxatives** such as bisacodyl which actively encourage the body to secrete electrolytes and water
- 4.) Prokinetic products** such as neostigmine that boost intestinal movement

The lactulose in the product additionally promotes the lactobacilli-producing intestinal bacteria in the intestinal flora. It is obtained from milk and should not be confused with lactose.

### 1 Daily ration of 19 g Powder contains

Lactic acid bacteria	22 mg
Inulin which of fibres	15 g 14 g
Lactulose	4 g

# Darmflora\* plus URO

**Contributes to maintaining healthy mucous membranes and therefore bladder-, urinary tract- and vaginal health supplementation**

- For supporting mucous membranes, e.g. the bladder, the urinary tract and vaginal health
- For the immune system<sup>2</sup>

The prevailing vaginal problem in women aged 15 to 44 years is bacterial vaginosis. It is characterised by an imbalance in the vaginal microbiota originating from an overgrowth of atypical bacteria. A healthy human vagina is predominantly colonised by members of the genus Lactobacillus. A reduced ratio of lactobacilli in the vaginal microbiota can give rise to problems. Pregnant women are particularly at risk because hormonal changes in an expectant mother's body make it easy for bacteria to move up into the bladder. Antibiotics are then usually prescribed. At first they cause the inflammation to disappear, but it unfortunately often rapidly returns.

A typical reason is that:

antibiotics not only kill disease-causing bacteria in the urinary tract, they take their toll on the vaginal and the intestinal flora too. However, an intact microbiome is the basis for a healthy immune system. Recurrent bladder problems with concurrent antibiotic therapy can thus impair the immune system. A disrupted vaginal flora can give rise to colonisation by undesirable microbes in the vagina. This is where Darmflora plus URO lends support, as it contains three specially selected strains of lactic acid bacteria

- Lactobacillus acidophilus
- Lactobacillus reuteri
- Lactobacillus rhamnosus

as well as biotin for maintaining healthy mucous membranes and consequent promotion of a healthy bladder, healthy urinary tract and vagina. Darmflora plus URO supports the function of the immune system through the vitamin B12 contained within.

1 Daily ration of 4 capsules contains:	
Biotin	25 µg
Vitamin B12	1,25 µg
Lactic acid bacteria	80 mg (5,3 billion)



40 capsules

## Recommended intake

2 capsules per day during the meals with liquid.

## Notes

Gastric acid-resistant capsule.

**Gluten-free and no gelatine, lactose, fructose and dyes.**



# Ballaststoff Komplex

## (Dietary fiber complex)

Synergistic combination of water-soluble dietary fibers for an optimal fiber supply



300 g powder

### Recommended intake

1-3 measuring spoons daily as required

**X Detailed product information available!**

**Gluten-free and free from colourings.**



- Three plant-based, complementary, water-soluble dietary fibres (guar, corn, acacia)
- Ingredients extensively tested in over 450 scientific studies
- Neutral flavour and easily soluble



Only a few reach the fiber intake of at least 30 g per day recommended by the German Nutrition Society (DGE). The dietary fiber complex can compensate for a possible nutritional gap in this area.

While water-insoluble dietary fiber primarily increases the volume of stool and reduces transit time, soluble dietary fiber serves as food for the microorganisms in the intestine. Different dietary fibres also address different microorganisms. This is because each intestinal bacterium only has selected enzymes with which it can break down and absorb certain dietary fibers in order to produce the short-chain fatty acids (SCFAs), that are so important for the human body. It is, therefore, important to consume different, synergistic dietary fibers.

**The fiber complex was developed to provide the broadest possible spectrum of beneficial intestinal bacteria:**

Dietary fiber	Definition and special feature	supplied	Increases SCFAs
Guar gum fibers 13 %	Enzymatically fermented dietary fiber from the guar bean, tested in over 150 studies. <b>High water-binding capacity:</b> Forms a protective gel for the intestinal mucosa.	Ruminococcus F. prausnitzii	✓
		Bacteroides	
		Akkermansia	
Corn fibers 40 %	Patented soluble dietary fiber from corn with <b>bifidogenic effect</b> , tested in over 100 studies.	Bifidobacterien	✓
Acacia fibers 47 %	Soluble fiber from the sap of the Seyal acacia, tested in over 200 studies. <b>Bifidogenic influence.</b>	Bifidobacterien	✓
		Clostridien-Cluster	
		Lactobacillen	
		Prevotellaceae	
		Lachnospiraceae F. prausnitzii	

The gluten-free fiber complex has a neutral taste, is easily soluble and can be effortlessly integrated into everyday life. It can not only be dissolved in a drink and drunk, but also be stirred into smoothies, muesli, soups, stews or desserts.

Composition	100 g	1 Measuring spoon (5 g)	2 Meaning spoons (10 g)	3 Measuring spoons (15 g)
Dietary fiber	87 g	4,4 g	8,7 g	13 g

# Probiocolon® Weight reduction

## Concept for weight reduction by symbiosis control

- For the overweight, for obesity
- In type II diabetes
- In hypercholesterolaemia

The intestinal flora of overweight and normal-weight people differs and each differently affects the postileal energy yield of the foodstuffs supplied. Thus, the proportion of firmicutes (e.g. eubacteria), which very efficiently convert complex carbohydrates and even fibre to sugar and fatty acids, is significantly higher in overweight people. This means additional 'unnecessary' extra energy is supplied to the body and stored as fatty deposits. By contrast, there are fewer strains of bacteroides in the obese than in people with a normal bodyweight. Overall, bacteroides do not use ingested food as intensively and only digest complex carbohydrates to a lesser degree. It has already been demonstrated both in animal experiments, on mice and on humans, that the microbial count of bacteroides inversely correlates with obesity. In addition, a cohort study with obese children suggests that higher bifido bacterial components are associated with weight stability in the intestinal flora. This is where Probiocolon acts. It is a useful combination of lactic acid bacteria and fibre for symbiosis control, which sets out to modulate the microbiota in such a way as to alter the balance between firmicutes and bacteroides in favour of bacteroides. This takes place through the symbiotic combination of high-dosage lactobacilli and the three synergistically effective bifidogenic fibre ingredients. The formulation is supplemented by the special micronutrients calcium in support of digestive enzymes and energy metabolism, vitamin B6 for regulating hormonal activity and choline for promoting lipid metabolism.

Daily dosage of 3 portions 3 x 7 g Probiocolon contains:	
Lactic acid bacteria	
Bifidobacterium longum	210 mg / 12 billion
Dietary fibre	
total dietary fibre	15,7 g
Glucomannan (Konjac Root)	3,0 g
Acacia fibre	11,1 g
Inulin	5 g
Vitamins and vitamin-like	
Vitamin B6	0,7 mg
Choline	300 mg
Minerals	
Calcium	120 mg



315 g powder

### Recommended intake

Probiocolon is not a meal replacement, i.e. meals do not need to be dispensed with as part of a calorie-reduced diet. Take it approx. half an hour before each of your three main meals: add 7 g (=one measuring spoon) to a glass three times a day before meals. To better dissolve the powder, add water (200 ml) and mix with a spoon. As the powder thickens after a few minutes, the mixture should be drunk promptly after preparation. The fibre it contains is very well tolerated in patients who have previously consumed a diet low in fibre, administration should be increased on a gradual basis.

**X Detailed product information available!**

**Gluten-free and no lactose, dye and preservatives.**

**Neutral in flavour Suitable for diabetics.**



# Gluten Pro + Calcium

For minimizing residual gluten in food



60 capsules

## Recommended intake

1-2 capsules, max. 25 capsules a day, with meals.

### Note

Gluten Pro + Calcium supports the breakdown of gluten and is not meant to replace a gluten-free diet.

**X Detailed product information available!**

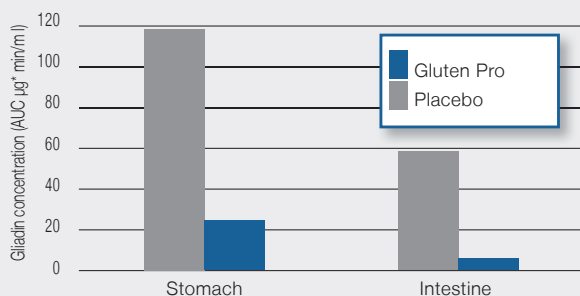
**Gluten-free and no fructose, lactose, gelatine and dyes.**



- In cases of celiac disease and non-celiac disease gluten sensitivity (or wheat sensitivity) for avoiding the absorption of residual gluten from food

Gluten Pro + Calcium Dr. Wolz contains a special protein-splitting digestive enzyme, prolyl oligopeptidase, which breaks down the gluten complex, i.e. is scientifically proven to reduce the immunogenically active components of gluten. Viewed biochemically, the gluten-sensitive T-cells no longer react with the prolamine broken down by the enzyme as it isn't recognized by the receptors. The immunological reaction does not occur. This permits low contents of gluten or hidden gluten to be reduced during or after the meal. Food that is also declared to be gluten-free can still exhibit up to 20 mg/kg of gluten content. Other food e.g. soups or sauces can also contain hidden gluten. As there is thus so far no specific pharmaceutical substance for treatment of celiac disease, the only therapy is a strict lifelong avoidance of foodstuffs containing gluten. This can be almost impossible when eating out. Several studies show that even with a gluten-free diet, depending on how strictly the diet is followed, inadvertent gluten intake can be between 200 and 3,000 mg a day. Around 20 percent of people in Germany react sensitively to the protein gluten which is present in grain. This incompatibility is most in evidence in patients with celiac disease or non-celiac disease gluten sensitivity (or wheat sensitivity), which has recently been introduced as a pathology. Their symptoms include severe digestive disorders such as nausea, diarrhoea or flatulence. The undigested gluten also causes intestinal mucositis. This can cause the villi to recede and the small intestine's surface area to shrink. The result: as insufficient nutrients are then absorbed, nutrient deficits develop in the course of the disease, which can trigger a series of disorders. Gluten Pro + Calcium Dr. Wolz can now effectively minimize this 'residual gluten' in food.

**Reduction of gluten in the stomach and intestine**



### 1 capsule contains:

Prolyl oligopeptidase	60 mg (37.040 PPI*)
Calcium	40 mg (5% <sup>1</sup> )

\* Protease Picomole International

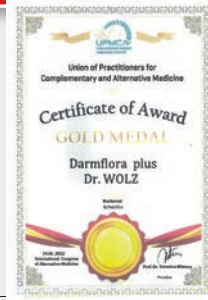
<sup>1</sup> Referenz Daily Intake

# Darmflora plus\* Dr. Wolz

Synbiotic consisting of living cultures of lactic acid bacteria and oligofructose (inulin)

- Candida albicans
- Constipation
- Autoimmune disorders
- Recurring infections
- Adjuvant nutritional therapy for cancer
- Endogenous eczema in children

Gold medal at the  
International Congress for  
Complementary Medicine



70 g powder

Darmflora plus\* Dr. Wolz® is a synbiotic, containing the prebiotic oligofructose (inulin) and 4 probiotic cultures at a concentration of 24 billion lactic acid bacteria per daily portion:

- Lactobacillus acidophilus
- Bifidobacterium lactis
- Lactobacillus casei
- Bifidobacterium longum

The product is suitable for daily intestinal care and is used to preserve a healthy, immune-active intestinal flora. It can be used therapeutically for prevention and in the event of recurring infections. According to studies synbiotics support prevention and give nutraceutical support for cancer of the bowel and autoimmune disorders. The combination of pre- and probiotics can also be of benefit for Candida albicans and functional intestinal disorders, such as constipation. Darmflora plus is also very suitable for toddlers. The availability as a powder enables good continuous use as required and combines well with food (e.g. on muesli, in yoghurt). Furthermore, Darmflora plus Dr. Wolz® can also be used to produce a probiotic yoghurt drink.

## Recipe for a yoghurt drink

- 1.) Heat 1 litre of long-life milk to 35-40°C (long-life milk has the advantage of not containing any foreign bacteria). If you should take fresh milk, first heat it to 90°C and then cool to 35-40°C.
- 2.) Take 2 teaspoons of Darmflora plus Dr. Wolz and stir well.
- 3.) Fill your yoghurt-maker with the prepared milk. If you do not have a yoghurt-maker, keep the inoculated milk warm at 25-30°C for a 24-48-hour period. Then your self-made yoghurt is ready!
- 4.) The yoghurt drink has a refreshing taste which is mild and creamy and rich in bioactive lactic acid bacteria. Store it in the refrigerator

1 Daily ration of 2 scoops contains:	
Inulin	1,95 g
Lactic acid bacteria in pure concentration without carrier	70 mg (12 billion)
Niacin	2,4 mg

## Mode of action

- Pre- and probiotic  
(= Synbiotic) effect

## Recommended intake

2 – 4 measuring spoons (2 – 4 g) per day in yoghurt, cereals or beverages. Not with hot beverages. Children between 2 and 10 years age take half the quantity.

## Notes

Suitable for diabetics.

**Free from gelatine, lactose, gluten maltodextrin and colouring agents.**



# Curabiom® flora

Highly innovative, water-soluble dietary fibre product for supporting the intestinal mucosa



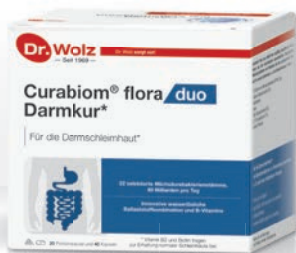
14 Portion sachet

## Recommended intake

Adults take 1 sachet (= 16.2 g) once a day before a meal. Pour the content of the sachet into an empty glass, fill with water (approx. 200 ml) and stir well.

## Note

For comprehensive bowel care Curabiom® flora also comes as a combination product: Curabiom® flora duo Darmkur not only contains five innovative dietary fibres, but at the same time also 22 specially selected lactic acid bacterial strains from the product Darmflora plus select intens.



Free from gelatine and colouring agents.



- The next generation in dietary fibres: GOS, XOS and 2'FL combined with the plant dietary fibres inulin and acacia fibre
- Different “food” for different bacteria (lactobacilli, bifido bacteria) and parts of the intestine
- Combined with vitamin B12 and naturally sourced biotin



Dietary fibre is vital for our health; here, first and foremost, water-soluble dietary fibre. Because only from this (and not from dietary fibre which is insoluble in water!) is the lactic acid bacteria lining the intestine able to form the short-chain fatty acids (acetate, propionate and butyrate) which the intestinal mucosa (enterocytes) urgently needs as a fuel. As the intestinal mucosa is one of the fastest types of tissue to divide, it also needs a great deal of energy. So sufficient water-soluble dietary fibre should be consumed regularly.

Curabiom® flora reflects the latest studies in combining five different types of water-soluble dietary fibre and two vitamins to form a completely new and highly innovative product to support the intestinal mucosa. The basis is formed by the two types of plant dietary fibre, inulin and acacia fibre, which are a natural food source for the bacteria of the microbiome. Further constituents are the short-chain galacto-oligosaccharides (GOS), which are more similar to the human milk oligosaccharides occurring in breast milk than the long-chain plant fructo-oligosaccharides (FOS), which are not to be found in breast milk at all. Humans are better able to utilise GOS. A further ingredient is 2'-Fucosyllactose (2'FL). The human milk oligosaccharide (HMO) to be most thoroughly researched so far.

Also very innovative are the xylo-oligosaccharides (XOS). Several studies document the positive effects for this dietary fibre obtained from fermentation. This dietary fibre formulation is supplemented with biotin obtained from holy basil to support the intestinal mucosa and vitamin B12 obtained from shiitake, which, among other things promotes cell division and so boosts the very quickly proliferating bowel mucosal tissue.

1 daily ration	of 16,2 g powder
Vitamin B12	1,25 µg
Biotin	25 µg
Fibre total	12,7 g
therefrom	
Galacto-oligosaccharides	4,8 g
Acacia fibre	4,1 g
Inulin	2,7 g
Xylo-oligosaccharides	0,95 g
2'-Fucosyllactose	0,28 g



# Skin

# Curabiom® Derma med

NEW

Curabiom® Derma med is suitable for both regenerative and cosmetic skin care:



50 ml Cream

## Application

Apply the cream evenly to all irritated areas of the skin prone to redness and itching and leave to take effect.

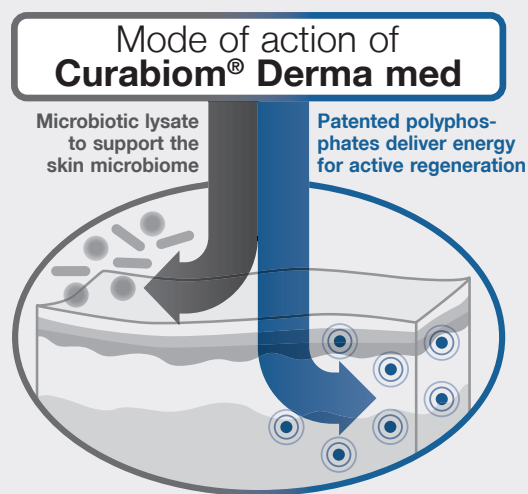
## Note

Suitable for all skin types.  
Also suitable for infants aged 6 months and older.

**X Detailed product information available!**

**Certified natural cosmetics.**

- Microbiotic lysate to support the natural skin microbiome
- World first: patented polyphosphates to supply the skin with energy for a better regeneration
- Certified natural cosmetics!



Curabiom® Derma med is a unique and highly innovative combination of a microbiotic bacterial lysate and patented amorphous polyphosphates. The cream is suitable for both regenerative and cosmetic skin care.

### Microbiotic lysate:

The microbiotic lysate (*Lactobacillus ferment*) contained in the product supports the natural skin microbiome in maintaining and improving the skin's barrier function. The skin microbiome is an integral part of skin health. It protects, regulates and supports – its balance is crucial for a healthy, resilient skin. The *Lactobacillus ferment* (lysate) is therefore suitable as a topical formulation for use on sensitive or damaged skin.

### Amorphous polyphosphates:

The second innovative active ingredient in Curabiom® Derma med are patented amorphous polyphosphates. They promote the skin's energy supply by contributing to the formation of the energy carrier ATP in the skin and improving its blood circulation, thereby activating the skin's self-healing powers. Curabiom® Derma med is the first skin cream to utilise this innovative invention by the renowned biochemist Prof. Dr. Werner Müller from the University of Mainz.

### Ingredients

AQUA, CAPRYLIC/CAPRIC TRIGLYCERIDE, GLYCINE SOJA OIL, CETEARYL ALCOHOL, THEOBROMA CACAO SEED BUTTER, GLYCERYL STEARATE, SIMMONDSIA CHINENSIS SEED OIL, MORINGA OLEIFERA SEED OIL, COCO-CAPRYLATE, GLYCERIN, GLYCERYL OLEATE CITRATE, LACTOBACILLUS LYSATE, BENZYL ALCOHOL, SODIUM LACTATE, XANTHAN GUM, LACTIC ACID, SODIUM BENZOATE, TOCOPHEROL, SODIUM POLYPHOSPHATE, POTASSIUM SORBATE, DEHYDROACETIC ACID, HELIANTHUS ANNUUS SEED OIL, CALCIUM POLYPHOSPHATE





# Cardiovascular products

# Glucan-Oat Protein Shake

NEW

Ideal nutritional support for diabetes and weight loss

Also available in  
vanilla flavour!



Natural = 422 g powder

Vanilla = 432 g powder

## Recommended intake

Stir 6 heaped measuring spoons of powder into 300 ml of water or prepare in a shaker.

**Lactose-free and free from histamine and fructose.**

## Information for diabetics:

30g contains 0.46 KE (  $\triangleq$  4.6g KH)

**X Detailed product information available!**



- Oat beta-glucans have been proven to reduce cholesterol levels<sup>1</sup>
- Stabilises blood sugar and insulin levels<sup>2</sup>
- Supports people with type 2 diabetes and overweight through long-lasting satiety
- Choline contributes to a normal fat metabolism<sup>3</sup>
- High-quality protein supports the maintenance and growth of muscle mass<sup>4</sup>

With the Glucan-oat Protein Shake, we offer you a high-quality shake based on the proven oat-protein diet – developed by renowned diabetologists. The shake helps regulate blood sugar and cholesterol levels<sup>1,2</sup>, promote long-lasting satiety, reduce cravings, maintain muscle mass<sup>4</sup> and support a normal fat metabolism<sup>3</sup>. This makes the shake suitable for patients with metabolic syndrome, especially people with type 2 diabetes and insulin resistance, and for supporting weight loss.

The variety of oats used comes from Scandinavia and has an exceptionally high beta-glucan content. Thanks to the humid, cool climate with long summer days, this glucan-oat contains around 23 per cent beta-glucans, whereas the proportion in conventional oats is only 3 to 5 per cent. The protein used is also of very high quality. It contains the full spectrum of amino acids and is lactose-free.

Nutritional information	100 g	per serving 6 heaped measuring spoons (≈ 30 g)
Energy (kJ)	1360	411
Energy (kcal)	323	97
Fat	3,4 g	1,0 g
of which saturated fatty acids	0,8 g	<0,5 g
Carbohydrates	15 g	4,6 g
thereof sugar	2,2 g	0,7 g
Dietary fibres	26 g	7,9 g
Protein	45 g	14 g
Salt	0,09 g	0,03 g
Beta-glucans	14 g	4,1 g
Choline	273 mg	82,5 mg

\* <sup>1</sup> Beta-glucans have been shown to reduce blood cholesterol levels and thus contribute to maintaining normal cholesterol levels. Lowering cholesterol levels can reduce the risk of coronary heart disease.

<sup>2</sup> Oat beta-glucans as part of a meal help to reduce the rise in blood sugar levels after eating. The effect sets in with a daily intake of at least 4 g of oat beta-glucans per 30 g of available carbohydrates (CH).

<sup>3</sup> Choline contributes to a normal fat metabolism.

<sup>4</sup> Proteins contribute to the maintenance and growth of muscle mass.

# Cardio Protect Q10 Herzkapseln

For a healthy heart function\*

- With highly bioavailable Q10
- Additionally with phytochemicals
- When taking cholesterol-lowering medications

The Cardio Protect Q10 Herzkapseln are a useful supplement for all people who need to look after their heart health. In addition to vitamin D and B vitamins, they contain the co-enzyme Q10, as well as resveratrol and OPC (oligomeric proanthocyanidins).

As an essential component of mitochondrial enzyme complexes, coenzyme Q10 plays a central role in energy production (ATP) in the respiratory chain. A good coenzyme Q10 status is a prerequisite for a physiological ATP supply to muscle cells, organs and for cardiac performance.

As we age, the body's own Q10 production continues to decline. An 80-year-old only has around 60 per cent of the Q10 content in the heart compared to a 20-year-old.

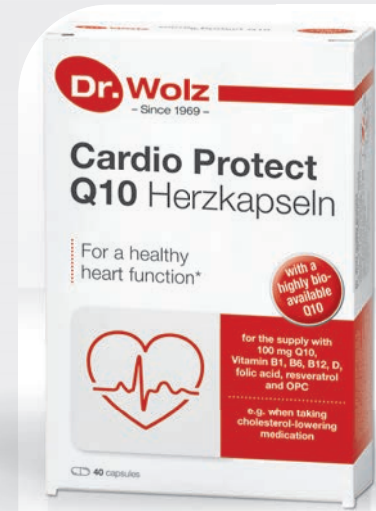
The Q10 contained in Cardio Protect is 18 times more bioavailable than conventional coenzyme Q10 preparations. This is because the fat-soluble (lipophilic) Q10 molecules are embedded in a ring of glucose molecules (cyclodextrins) with a hydrophilic outer surface and a lipophilic cavity.

The Q10 molecule remains in this cavity until it reaches the intestine. There, it is transported individually by the cyclodextrin molecules to the intestinal wall, where it can be absorbed, while the cyclodextrin is broken down and excreted.

Supplementation with Q10 and vitamin D also makes sense when taking cholesterol-lowering drugs such as statins, as statins inhibit the enzyme HMGCoA reductase (3-Hydroxy-3-Methylglutaryl-Coenzyme-A-Reductase). However, this enzyme is also the starting material for the synthesis of coenzyme Q10 and vitamin D.

Composition	1 capsule
Coenzyme Q10	100 mg
of which Q10 from the Q10-Complex*	20 mg
Resveratrol	5 mg
Oligomeric proanthocyanidins (OPC)	13 mg
Vitamin D3	20 µg (800 I.E.)
Vitamin B12	2,5 µg
Vitamin B6	1,4 mg
Vitamin B1	1,1 mg
Folic acid	200 µg

\* Thiamine (B1) contributes to a normal heart function. Vitamin D contributes to the maintenance of normal muscle function. Vitamins B6, B12 and folic acid contribute to a normal homocysteine metabolism. Vitamin B12 and thiamine contribute to a normal energy metabolism.



40 capsules

## Recommended intake

1 capsule daily with a drink of your choice.

## Notes

Suitable for diabetics.

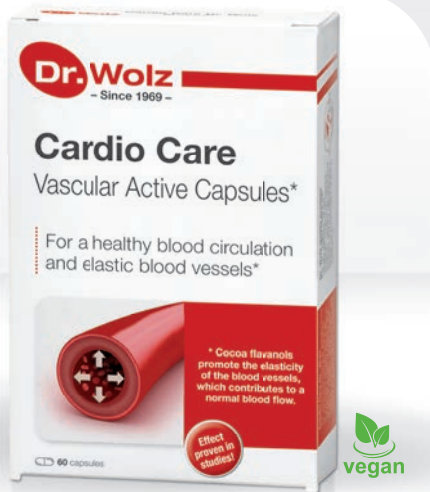
**X Detailed product information available!**

**Gluten-free and free from gelatine, lactose and colourings.**



# Cardio Care

## Concentrated cocoa flavanols to promote vascular elasticity



60 capsules

### Mode of action

- Antithrombotic
- Antihypertensive
- Anti-inflammatory
- Anti-oxidative
- Vasodilatory

### Recommended intake

2 capsules per day with a glass of water or other liquid.

### Notes

Suitable for diabetics.

### Additional product recommendation

Thromboflow®

Vitalkomplex Dr. Wolz

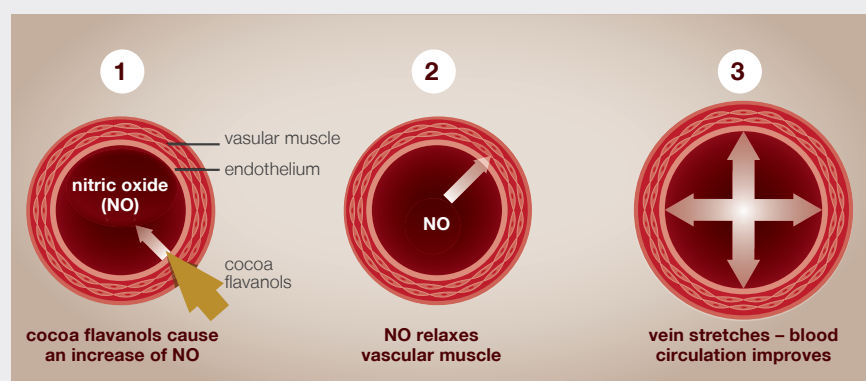
**X Detailed product information available!**

**Without lactose, gluten and colours.**



- For primary and secondary prevention of arteriosclerosis
- Endothelial protection
- The elderly with sarcopenia
- Endurance athletes
- Risk factors often accompanied by endothelial dysfunction such as Diabetes type II, Hypertension, Smoking, Obesity, Increased stress, Vascular disorders

Cardio Care is a fat-reduced cocoa powder with a high, standardised content of flavanols for prevention and treatment of cardiovascular disorders. The European Food Safety Authority (EFSA) approved the following health claim for cocoa flavanols based on numerous studies: „They boost blood vessel elasticity and contribute to a healthy blood flow.“ The cocoa flavanols contained in Cardio care regenerate endothelial function by inducing an increase in nitrogen monoxide (NO) in the blood from the endothelium. This has a vasodilatory effect improving blood flow and circulation. NO relaxes the smooth musculature of the vessels. This means, in patients with endothelial function disorders - e.g. in diabetes type II or patients with arteriosclerosis - cocoa flavanols improve their function. The lowering of blood pressure is also promoted by the regeneration of the endothelial function, because vessels are dilated through the increased release of NO. Even minor quantities of flavanols can partially reverse the age-related degenerative degradation of the skeletal musculature. So, they are also suitable for prevention and adjuvant treatment of sarcopenia. In Cardio care Dr. Wolz 80% of the flavanols of raw cocoa, which are mainly destroyed in conventional manufacturing processes, are retained. The degree of polymerisation also continues to be guaranteed. For only with this characterisation is the product effective and it is not impaired by mixing with milk either. A slightly bitter taste is due to the bitter tasting flavanols.



2 capsules contain

Cocoa flavanols

200 mg

# Thromboflow®

## Platelet aggregation inhibitors with phytochemicals as the active ingredient

Category  
'Most innovative product'



### PRIMARY PREVENTION

- With one or more risk factors for arteriosclerosis, incl.: age (55 or above), male sex, smoking, long haul flights, genetic predisposition, lack of movement, stress
- Diabetes mellitus type II
- Obesity
- Hypertension
- Metabolic disorder

### SECONDARY PREVENTION

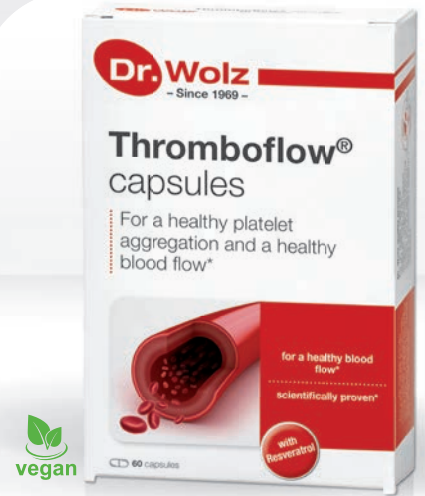
- As additional protection with ASA or when taking marcumar
- With ASA non responders, ASA intolerance or increased risk of bleeding

Thromboflow® is a natural thrombocyte aggregation inhibitor based on more than 30 tomato-phytochemicals for improving blood flow and primary prevention of arteriosclerosis and cardiovascular disease. The benefit of the active substance complex regarding inhibition of platelet aggregation has been proven in 8 randomised, placebo-controlled, double-blind human studies and confirmed by the European Food Safety Authority, the EFSA: In 97 percent of subjects, thrombocyte aggregation clearly begins to decline within 1.5 hours. Thromboflow® reduces the activation tendency of thrombocytes and reduces the atherothrombosis risk. Furthermore, Thromboflow® has an important reversal effect on the inflammatory process of arteriosclerosis. Unlike ASA, which (only) inhibits the cyclooxygenase (COX) irreversibly, Thromboflow® reversibly inhibits a variety of activation channels, which bring about an increase in the activities of the fibrinogen receptor GP IIb/IIIa. Thromboflow® achieves about 30-50 percent of the inhibition induced by ASA. The cardiovascular protective effect in the Thromboflow® capsules is further increased by resveratrol. Resveratrol is able to lower TNF- $\alpha$  and interleukin values, impacts positively on blood cholesterol composition and also directly affects platelet aggregation. The resveratrol content of a capsule of Thromboflow® is equal to that of a litre of red wine or 1.5 kg of red grapes.

#### Active ingredients Thromboflow in Dr. Wolz (capsules) 1 capsule

Standardised extract of tomato (WTSC II)	150 mg
Resveratrol	7,0 mg

It only contains the pure active substances WSTC II and resveratrol, and neither fillers and coating agents nor release agents, fatty acids, emulsifiers nor dyes or other additives. Vegan and free of gelatine, gluten, lactose, fructose and dyes. Capsules made from cellulose.



20 capsules

60 capsules

### Recommended intake

1 capsule a day with a glass of water or other liquid.

### Notes

Thromboflow® is not a medicine. Taking it together with ASA or Marcumar is harmless. It does not lead to a potentiation of the effect. Anticoagulants prescribed for secondary prevention by a doctor should not be discontinued. Thromboflow® should not be taken if there is an allergy to tomatoes or red grapes.

**X Detailed product information available!**



# Omega-3-Fettsäuren (Omega-3 fatty acids)

Highly concentrated DHA and EPA from cold water sea-fish



60 capsules

**High quality through  
micro distillation**

#### Mode of action

- Anti-oxidative
- Anti-inflammatory
- Immune modulation

#### Recommended intake

1 capsule a day before or during a meal with liquid. With arteriosclerosis take 3 capsules per day.

#### Notes

Suitable for diabetics.

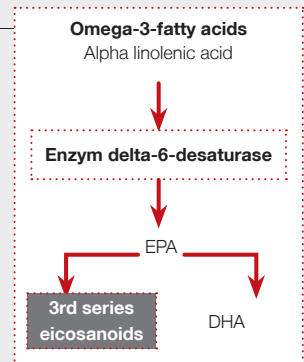
#### Additional product recommendation

Borretschöl

**Without lactose, gluten and colours.**



- Eczema
- Dry skin
- Autoimmune disorders
- Cancer
- Chronic inflammatory disease
- Athletes/muscle stress
- Arteriosclerosis, hypercholesterolaemia, triglyceridaemia
- Diabetes mellitus



The therapeutic administration of long-chained omega-3 fatty acids makes sense in many areas: in adults omega-3 fatty acids have a positive effect on blood lipid levels, blood pressure and circulation. So, they can be used well in preventing cardiovascular diseases. The anti-inflammatory effect makes their use recommendable in chronic inflammations. So, omega-3 fatty acids are also important to athletes because they can also prevent stress-related inflammatory reactions in muscles and joints. The recommendation by the German Nutrition Association (DGE) to receive about 0.5 percent of total energy in the form of omega-3 fatty acids is often unrealistic, as at least two fish meals would have to be eaten per week. The provision of long-chained, polyunsaturated omega-3 fatty acids such as Eicosapentaenoic acid and docosahexaenoic acid (DHA) is often well below the recommended amounts. The health-promoting effect of omega-3 fatty acids is largely based on the enzyme delta-6-desaturase. It is the key enzyme for the formation of 1st and 3rd series eicosanoids. These eicosanoids act anti-inflammatorily and as immunomodulators. As delta-6-desaturase can have a low activity (genetic predisposition, greater age, deficiency of trace elements such as zinc, magnesium and B-group vitamins) for different reasons, it make sense to circumvent this „weakness“ of delta-6-desaturase by supplying EPA and DHA from fish oils so that the „good“ 3rd-series eicosanoids can be manufactured in sufficient quantities (see Fig. left). The omega-3 fatty acid capsules Dr. Wolz use 500 mg of cold water sea fish oil concentrate with 300 mg of pure omega-3 fatty acids per capsule. Because of the purity and abundance the oil comes from fish caught at sea (not from aquacultures!). Pollutants are removed particularly effectively through the special manufacturing process (microdistillation).

Thorough checks for residue and tests ensure the quality of the raw materials used. Vitamin E not only protects the fatty acids from oxidation, it also protects body cells from oxidative stress.

#### 1 Daily ration of 1 capsule contains:

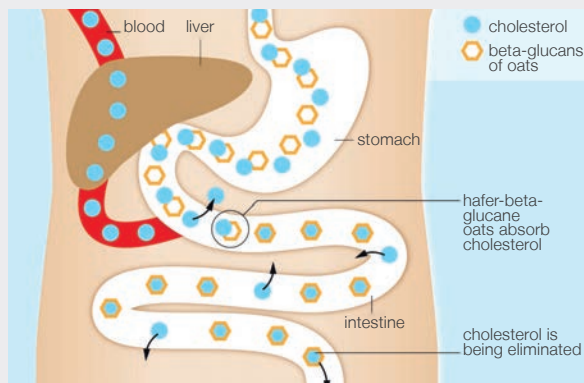
Marine fish oilconcentrate 60% (= Omega-3 Fatty acids)	500 mg (300 mg)
RRR- $\alpha$ -Tocopherol-concentrate (1 I.E./mg) (=Vitamin E in Alpha TE)	15 mg (10 mg)
which of DHA (docosahexaenoic acid)	110 mg
which of EPA (eicosapentaenoic acid)	165 mg

# Cholesterinreduktion (Cholesterol Reduction)

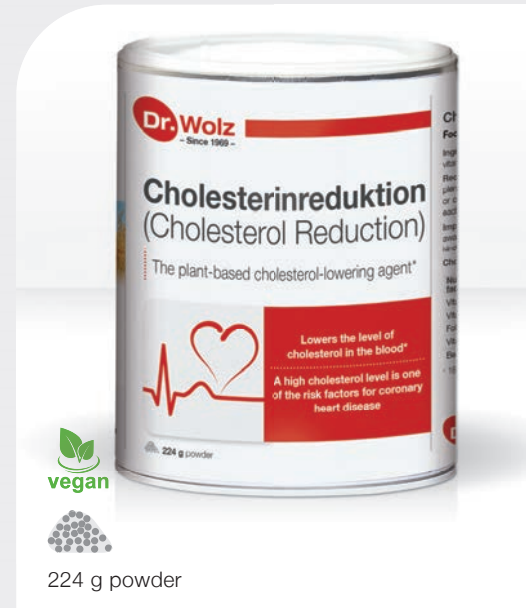
## Herbal cholesterol-lowering agent based on oat beta-glucans

- Arteriosclerosis, hypercholesterolaemia, triglyceridaemia
- Diabetes mellitus
- Weight control

Cholesterinreduktion Dr. Wolz is a dietary fibre-rich herbal cholesterol-lowering agent based on bioactive oat beta-glucans. These form a gel in the bowel, which enables the LDL cholesterol to be bound and then excreted. The cholesterol reducing effect has been proven by clinical studies. Therefore, the scientific panel of the European Authority for Food Safety (EFSA) confirmed: „Oat beta-glucan lowers and reduces cholesterol levels in the blood. Lowering the cholesterol level can reduce the risk of a coronary heart disease.“ Permanent hypercholesterolaemia will damage arterial walls (arteriosclerosis). Studies show that lowering the cholesterol level by 10 percent brings about a 10 to 20 percent reduction in the risk of coronary heart disease. The guide value is below 200 mg/dl (5.16 mmol/l) for total cholesterol and below 160 mg/dl (4.13 mmol/l) for the harmful LDL cholesterol. This target value falls drastically if there are pre-existing risk factors. For Cholesterinreduktion Dr. Wolz OatWell® oats originating from Scandinavia are used because they are very rich in glucan (22%) and thus, are particularly effective. Commercial oats contain only 3 to 5 percent glucan. Furthermore, the special oats in Cholesterinreduktion Dr. Wolz also bind bile acid in addition to cholesterol, reduce cholesterol resynthesis in the liver, act prebiotically, satiate and contribute to regular bowel movements. An additional benefit of Cholesterinreduktion Dr. Wolz for diabetics and people with weight problems is that as part of a meal, it contributes to a slower rise in blood sugar level. If you wish to ensure that blood sugar levels rise less strongly after a meal of approx. 30 g of carbohydrates, take five flat measuring spoons of Cholesterinreduktion. The preparation is supplemented by the B-vitamins B1, B6, B12 and folic acid. Folic acid together with the vitamins B6 and B12 helps in maintaining a normal level of homocysteine. (Homocysteine favours the deposition of cholesterol.) Vitamin B1 makes a contribution to a normal heart function.



1 daily ration of 16 g powder contains:	
Fibres	5,7 g
Oat beta glucans	3,6 g
Vitamin B1	2,2 mg
Vitamin B6	2,8 mg
Vitamin B12	5 µg
Folic acid	400 µg



224 g powder

### Mode of action

- Binding of cholesterol in the intestine
- Inhibition of blood sugar rise after meals

### Recommended intake

Stir 16 g (4 level measuring spoons) into milk or yoghurt. Cholesterol reduction Dr. Wolz also tastes good when sprinkled over muesli or cereal and milk. A combination of fruit juices of your choice or still water can also be used.

### Notes

Suitable for diabetics.

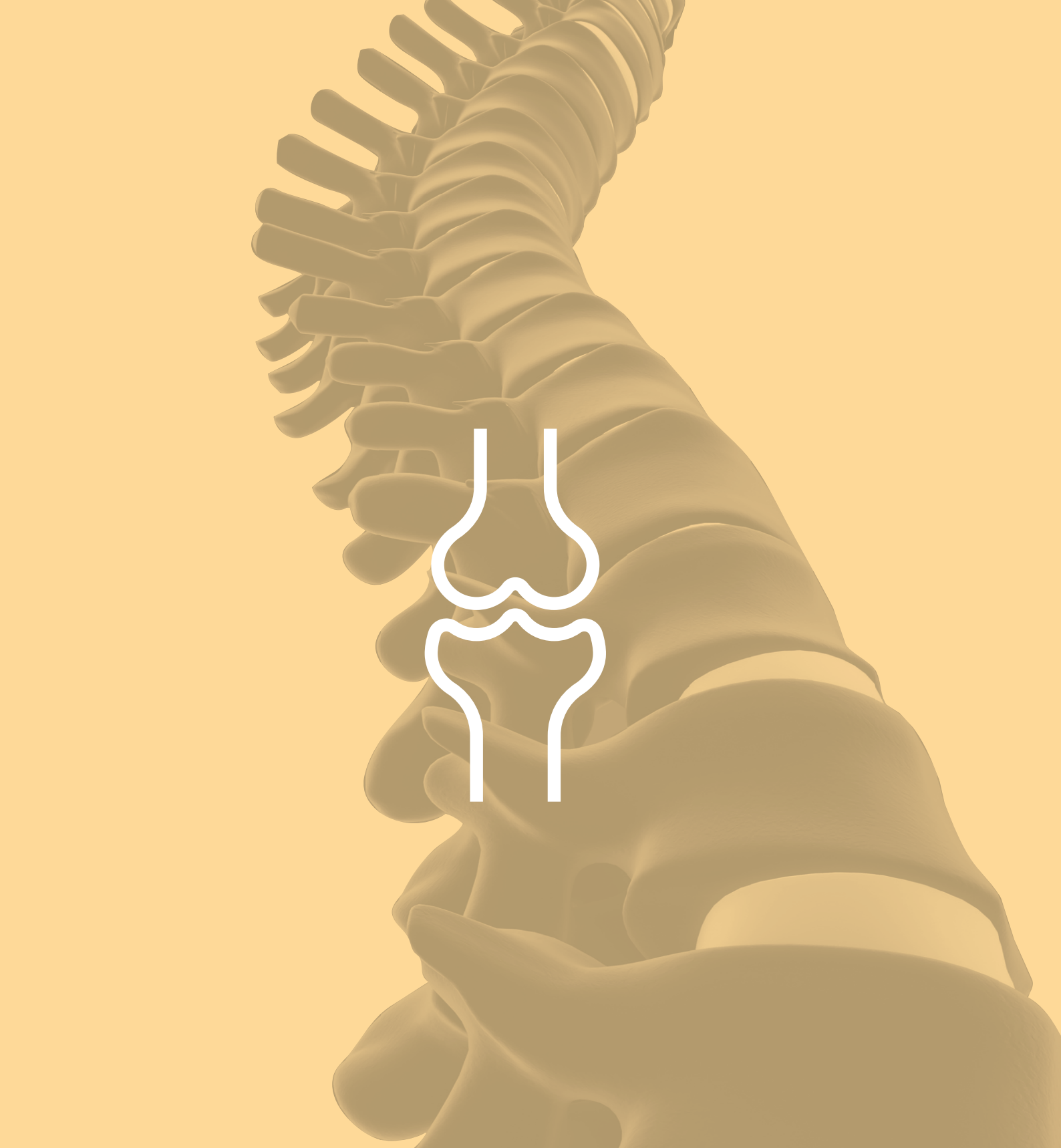
### Additional product recommendation

Omega-3-Fettsäuren, Thromboflow®, Cardio care

**X Detailed product information available!**

**Without lactose and colours.**





# Muscles & Bones

# Phytoflam Dr. Wolz®

For bones, cartilage and muscles\*



- With extracts of highly bioavailable curcumin, boswellia and French maritime pine bark (Pycnogenol®)
- For a normal nerve function\*
- For a healthy immune system\*
- Antioxidant\* properties

Phytoflam Dr. Wolz® is a preparation for bone and cartilage health\* that has been developed based on current studies. In addition to rosehip extract with a high, natural vitamin C content and the vitamins K2 and D3, Phytoflam Dr. Wolz® contains the plant substances whose effect on physical functions and pain reduction were rated best in a meta-study\*\*.

These are curcumin, boswellia (frankincense) and Pycnogenol®, an extract from French maritime pine bark. All three phytochemicals have been proven to have anti-inflammatory and antioxidant properties, which are particularly effective around the joints.

The phytochemical curcumin is present in Phytoflam Dr. Wolz® with a bioavailability 40 times higher than that of conventional curcumin preparations. The fat-soluble (lipophilic) curcumin molecules are embedded in a ring of glucose molecules (cyclodextrins) with a hydrophilic outer surface and a lipophilic cavity.

The curcumin molecule remains in this cavity until it reaches the intestine. There it is transported individually by the cyclodextrin molecules to the intestinal wall, where it can be absorbed, while the cyclodextrin is broken down and excreted.

Boswellia, also known as frankincense, is a plant type in the balsam tree family (Burseraceae). The plant has a high content of boswellic acid and has had an enormous tradition and significance in Ayurveda and natural history in India, the Orient and China for over a thousand years.

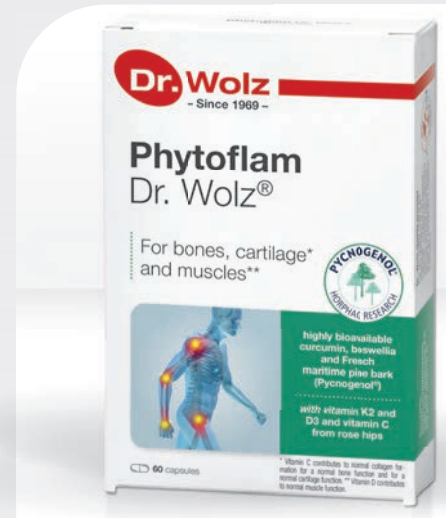
Pycnogenol® is a complex phytochemical from the bark of the French maritime pine, which grows along the south-west coast of France. It contains procyanidins, bioflavonoids (e.g. catechin, taxifolin) and organic acids (e.g. ferulic acid, caffeic acid).

The scientific institute 'Horthag Research' has been involved in proving the efficacy, quality and safety of Pycnogenol® for over 40 years. To date, the natural extract has been tested on more than 10,000 study participants and a total of 160 clinical studies and 420 scientific publications have been published in favour of the unique properties of Pycnogenol®.

Composition	3 capsules
Curcumin complex	600 mg
thereof curcuminoids	90 mg
Boswellia serrata extract	360 mg
thereof boswellic acids	288 mg
Pine bark extract	30 mg
Vitamin C	36 mg
Vitamin K2	150 µg
Vitamin D3	5 µg

\* Vitamin C contributes to normal collagen formation for a normal bone function and a normal cartilage function. Vitamin D contributes to a normal muscle function. Vitamin C contributes to a normal functioning of the nervous system. Vitamin C and D contribute to the normal functioning of the immune system. Vitamin C contributes to the protection of cells from oxidative stress.

\*\* Liu X, Machado GC, Eyles JP, et al Dietary supplements for treating osteoarthritis: a systematic review and meta-analysis British Journal of Sports Medicine 2018;52:167-175



60 capsules

## Recommended intake

3 capsules daily with a drink of your choice.

## Notes

Suitable for diabetics.

**X Detailed product information available!**

**Gluten-free and free from gelatine, lactose, without piperine and polysorbates.**



# EPA 1000 mg

For targeted delivery of the omega-3 fatty acid EPA



60 capsules

Highly concentrated  
from marine fish

**Recommended intake** 4 capsules a day, to be taken whole throughout the day together with meals and a small amount of fluid.

#### Notes

Suitable for diabetics.

#### Additional product recommendation

Selen ACE, Curcumin 45 Extrakt

Without, gluten, lactose and colours.



- For targeted delivery of eicosapentanoic acid in cases of deficiency as can, for example, occur with rheumatism
- Counteracts oxidative stress

Eicosapentaenoic acid or EPA is a polyunsaturated fatty acid and is one of the omega-3 fatty acids. It is formed in the body in low quantities from the essential alpha linolenic acid. No adequate supply of EPA can usually be achieved through normal nutrition. To supply sufficient EPA to the body one would have to consume - depending upon the kind of fish - 1 kg of fresh fish or a large quantity of linseed oil each day. However, such a dietary supplement could be useful in some cases, such as in the context of a rheumatic diet, because disease such as rheumatism can lead to a deficiency of EPA. EPA has a similar chemical structure to the inflammation-promoting arachidonic acid, but does not trigger the production of inflammation-promoting substances. As EPA latches onto the same receptors in the cell membrane, it competes with arachidonic acid for the same enzymes.

EPA 1000 contains high-dose EPA from sea-fish oil, obtained by a special method from cold water sea-fish (not from aquacultures). It also contains the antioxidant vitamin E.

#### 1 daily ration von 4 capsules contains:

Omega-3 Fatty acids	1,4 g
which of EPA*	1 g
which of DHA*	0,12 g
Vitamin E in alpha-TE 1	51 mg

# Osteo-Coral-D3

## Natural substance complex for prevention and treatment of osteoporosis

- Osteoporosis (also prevention)
- Rachitis (also prevention)

Osteo-Coral-D3 capsules contain a special formula for preventing and treating osteoporosis. Calcium and vitamin D are indispensable for bone augmentation. While calcium is a component of bone substance, vitamin D ensures that it is correctly integrated. The calcium in Osteo-Coral-D3 is naturally sourced (coral algae). Conventional bone products usually contain only calcium and vitamin D3. But new studies have revealed that the two micronutrients for forming healthy bones are not sufficient - vitamin K2 is crucial. For, in order to store calcium in bones, vitamin D3 triggers the formation of the protein osteocalcin. But only vitamin K2 can activate osteocalcin. If vitamin K2 is deficient, even if calcium and vitamin D3 are adequately supplied, bone density is therefore reduced. As the body is not able to remove enough calcium for bone augmentation from the blood, it remains in the blood and is absorbed by the vessel walls. Possible consequences: calcification of arterial walls (arteriosclerosis) and deposition of lime in the form of kidney stones. Vitamin K2 removes excess calcium from the blood to enable it to be used for bone and tooth formation. Special K2 from natural sources has long been used for osteoporosis treatment in Japan. Vitamin K2 is only found in low quantities in food. It can also partly be formed from the intestinal flora. Various studies have shown that especially the combination of vitamin K2, vitamin D3 and calcium increases bone density and also protects against breaks. Osteo-Coral-D3 capsules from Dr. Wolz make particular sense for people who consume too little calcium or already suffer from osteoporosis.

1 daily ration of 3 capsules contains:	
Coralline algae calcium	500 mg
Vitamin D3	22,5 µg (900 I.E.)
Vitamin K2	75 µg
Zinc	5,0 mg
Manganese	3,0 mg
Copper	1,0 mg
Vitamin B6	2,8 mg
Folic acid	400 µg



60 capsules

Calcium from natural source

### Mode of action

- Activation of Osteocalcin
- Increase in bone density
- Reduction of excess calcium in the blood

### Recommended intake

3 capsule per day before or during the meals with liquid. Capsules can be opened to dilute content with the food.

### Notes

Suitable for diabetics.

**Without gelatine, gluten, lactose and colours. Capsule from vegetable cellulose.**



# PROaktiv Komplex

## Cartilage nutrients for prevention and treatment of joint disorders



Combination pack  
60 + 20 capsules

Formerly known as  
Gelenk Komplex

### Mode of action

- Anti-inflammatory
- Cartilage strengthening
- Support of repair mechanisms

### Recommended intake

The combination pack contains 2 blister strips, each of which produces a different effect. The capsules have different colours. To obtain the combined effect, take 3 Joint Complex capsules as well as 1 Omega-3 fatty acid capsule a day together with a meal and a small amount of fluid.

### Notes

People on anticoagulants containing coumarin, diabetics, pregnant women, nursing mothers, children and youngsters should not take PROaktiv Komplex Dr. Wolz.

**Without gluten, lactose and colours.**



- Arthritis
- Avoidance of cartilage damage to the joints
- Protection if there is excessive joint stress (e.g. sport)

Joints and bone disease is ranked 10th among the most important common diseases by the world health organization. Arthrosis is a slow process, which develops over decades. In addition, to moderate movement weight should be reduced and the chance of a suitable nutritional therapy used, in support of which PROaktiv Komplex Dr. Wolz was developed. It contains glucosamine which equates to an amino sugar and is widespread in nature. It is to be found in almost all human organs. Glucosamine accumulates in cartilage and causes a stimulation of chondrocyte activity and a more intensive cartilage matrix production. A deficiency is accompanied by a reduced formation of cartilage substance. If there is insufficient endogenous synthesis of glucosamine (subject to the provision of vitamin B6), supplying additional glucosamine can strengthen the cartilage and support the repair mechanisms. An additional supplementation of 900-1000 mg is sufficient. The chondroitin contained is a highly molecular, long-chained sugar molecule (glucuronic acid, N-acetyl-galactosamine) with sulphur atoms in widely varying positions. Chondroitin sulphate is a key constituent of cartilage tissue and ensures the resilience of the cartilage.

The omega-3 fatty acids obtained from cold water sea fish oil concentrate cause an increase in anti-inflammatory eicosanoids and a decrease in the metabolites of arachidonic acid. This is based on inhibiting eicosanoid synthesis from the arachidonic acid. Furthermore, PROaktiv Komplex also contains vitamins C, E and folic acid.

#### Folic acid

Chondroitin sulphate 2KCL	1000 mg
therefrom glucosamine	600 mg
Chondroitin sulphate	500 mg
Vitamin C	40 mg
Vitamin E (in alpha-TE)	12 mg
Folic acid	100 µg

#### 1 daily ration of 1 Omega-3 Fatty Acids capsule contains:

Omega-3 fatty acid	300 mg
therefrom DHA (docosahexaenoic acid)	110 mg
EPA (eicosapentaenoic acid)	165 mg
Vitamin E (in alpha-TE)	1 mg



# Phytotherapy

# Sekundäre Pflanzenstoffe 270

## (Phytochemicals 270)

Bioactive complex from phytochemicals



120 capsules

### Recommended intake

2 capsules daily with meals and with liquid.

### Notes

Persons who have known allergies or intolerances to the ingredients should not use the preparation.

### Fructose intolerance

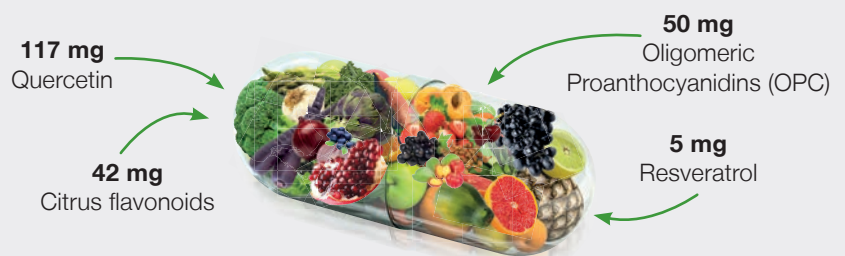
One daily dose (2 capsules) corresponds to approximately 0.005 g of fructose.

### Gluten-free and free from lactose and gelatine.

- 270 mg phytochemicals per daily dose
- Additionally with vitamin C
- For the supplementation in people who consume too little fruit and vegetables
- Also ideal for people with fructose intolerance

An increased consumption of fruit and vegetables is recommended because of their positive health effects on the ageing process and the reduction in the risk of many diseases, is often an important approach in nutritional therapy. However, this often fails due to compliance: many patients do not have the time or inclination to prepare vegetables, don't like the flavour of fruit and vegetables or suffer from dysphagia or flatulence after eating vegetables. People with fructose intolerance generally eat too little fruit and vegetables. Those who eat too little fruit and vegetables are not primarily lacking in vitamins - as these are also obtained from other foods - but rather phytochemicals.

Instead of a vitamin capsule, these people would be better off supplementing their diet with a polyphenol capsule. The preparation Phytochemicals 270 provides the body with 270 milligrams of polyphenols per daily dose similar to the amount of phytochemicals contained in 540 grams of specially selected fruit and vegetables. In contrast to the usual superfood powders or fruit and vegetable capsules available on the market, which usually do not specifically indicate the content of phytochemicals on the packaging, the polyphenols in Phytochemicals 270 are precisely quantified. The Dr. Wolz preparation contains 50 mg OPC, 5 mg resveratrol, 270 mg citrus flavonoids as well as 117 mg quercetin and 56 mg other polyphenols from 27 different types of fruit and vegetables. The phytochemicals have also been proven to have a significantly higher:



Composition	2 capsules
Polyphenols	270 mg
thereof Citrus flavonoids	42 mg
thereof Resveratrol	5 mg
OPC (Oligomeric proanthocyanidins)	50 mg
thereof Quercetin	117 mg
Vitamin C	24 mg



\* Vitamin C contributes to the normal functioning of the nervous system and a normal mental function. Vitamin C contributes to the normal functioning of the immune system.

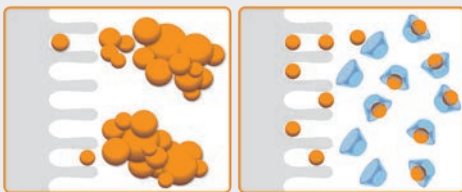
# Curcumin Extrakt 45 (Turmeric)



## Anti-inflammatory effect complex with the phytochemical curcumin

- Adjuvant treatment of all chronic-inflammatory disorders (e.g. rheumatic disease and arthritis)
- Around 40 times higher bioavailability
- Without problematic additives, such as micelles (polysorbates, PVP) or piperine

In traditional Indonesian and Indian medicine (Ayurveda) turmeric has been used for several thousand years as a remedy for a whole range of maladies and for boosting the immune system. Ingredients which are relevant here are curcumin and some 90 other curcuminoids and tetrahydrocurcuminoids for which, there are now more than 3,000 scientific studies on their health-giving effects. Above all choleric, anti-oxidative, antiseptic, pain relieving, anti-proliferative, cytotoxic, anti-tumoural, immune-modulating and especially anti-inflammatory characteristics are attributed to curcumin. Previously, it has not been possible to fully exploit the therapeutic benefit of curcumin, as fat-soluble curcumin has a very low bio-availability. The reasons for this are the poor hydrosolubility, bad absorption, the metabolism and rapid elimination. In Curcumin Extrakt 45 Dr. Wolz the bioavailability is up to 45 times higher than the bioavailability of pure curcumin powder or conventional curcumin products. Here the fat-soluble (lipophilic) curcumin molecule is embedded in a ring of glucose molecules (cyclodextrines) with a hydrophilic exterior and a lipophilic cavity. The curcumin molecule resides in this cavity until it has reached the bowel. There it is individually transported by the cyclodextrin molecules to the intestine wall where it can be absorbed while the cyclodextrin is broken down or excreted (see fig.).



Studies have verified that taking curcumin makes sense for treatment of chronic fatigue. This acute or chronic exhaustion is one frequent negative accompanying symptom in patients during or after cancer. It is often accompanied by lethargy, lack of concentration or memory lapses. Risk factors for chronic fatigue are pain, nausea, pre-existing depressive disorder or other psychological burdens. Current studies have identified a rise in inflammatory cytokines, like  $TNF-\alpha$ , as a pathophysiological cause of cancer fatigue. Curcumin modulates oxidative stress, which gives rise to lower  $TNF-\alpha$  concentrations.

3 capsules contain

Curcuminoids with over 40-fold higher bio-availability

150 mg



90 capsules

### Mode of action

- Anti-oxidative
- Anti-inflammatory
- Anti-carcinogenic properties

### Recommended intake

3 capsules a day before or during a meal with liquid.

### Notes

Should not be used by pregnant women, if hypersensitive, if suffering from occlusion of the gallbladder and gall stones. Drug interactions might occur with anticoagulants such as acetylsalicylic acid and clopidogrel, because curcumin inhibits platelet aggregation in vitro.

### Additional product recommendation

Vitalkomplex Dr. Wolz

**X Detailed product information available!**

**Without lactose, gluten, fructose, piperine, polysorbate and colours.**



# Brokkoliextrakt + Aktiv-Enzym

Glucoraphanin with myrosinase to make the sulphoraphane highly bioavailable



## Recommended intake

1 capsule a day with a little water after the main meal.

## Notes

Do not take Brokkoliextrakt + Aktiv-Enzym together with acidic drinks/food (e.g. orange juice, cherries) or vitamin C products.

Do not exceed the indicated daily dosage recommendation.

Keep out of range of small children and toddlers.

Vegan and free of gelatine, gluten, lactose, fructose and dyes.

Acid-resistant capsule made from cellulose.

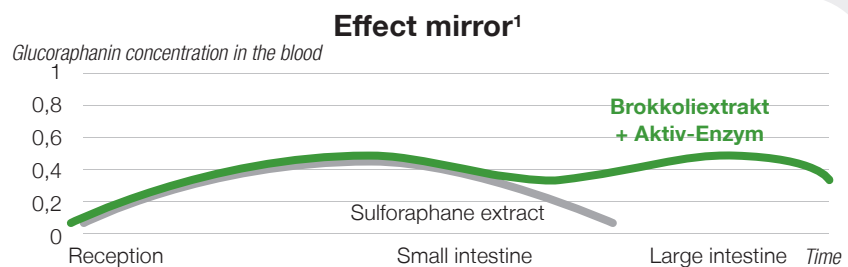
## Additional product recommendation

- Vitalkomplex Dr. Wolz
- Curcumin-Extrakt 45



- By combining glucoraphanin and myrosinase, sulforaphane is formed fresh in the intestine
- Long-lasting effect in the blood
- One capsule corresponds to the glucoraphanin content of 500 g of raw broccoli

The substances most important for the dietary use of broccoli are its phytochemicals, especially glucoraphanin. However, it is only effective if it is converted into sulforaphane after ingestion by means of the enzyme myrosinase, which is also an ingredient of broccoli. Intestinal bacteria continue this conversion process in the bowel. The yellow plant dye quercetin is also to be found in broccoli. These key substances are unfortunately only taken up to a small degree by just eating commercial broccoli. Unfortunately, most of the more recent varieties often no longer contain much glucoraphanin. A major proportion of the key ingredients in broccoli are also destroyed due to storage, deep-freezing and especially cooking. The reason: the enzyme myrosinase, which converts glucoraphanin into the active component of sulforaphane, is particularly sensitive; it is already destroyed at 40 degrees Celsius. For this reason, broccoli would actually have to be eaten straight after harvest in order to take up a sufficient proportion of the valuable ingredients. Storage and processing also distinctly reduce the quercetin content. For example, cooking destroys 75 to 80 percent of quercetins. In order to exploit the broccoli ingredients, Dr. Wolz has developed a glucoraphanin extract obtained by a patented technique from the variety *Brassica oleracea italica*, which contains abundant glucoraphanin and also the enzyme myrosinase. This gentle production process always involving temperatures below 40 degrees Celsius yields an active combination concentrate in which the enzyme myrosinase, supported by intestinal bacteria, converts key phytochemical glucoraphanin into active substance sulforaphane in the intestine, thus enabling it to be used by the body.



<sup>1</sup> Studie: Fahey, J.W. et al: Sulforaphane Bioavailability from Glucoraphanin-Rich Broccoli: Control by Active Endogenous Myrosinase. PLoS One. 2015 Nov 2;10(11):e0140963. doi: 0.1371/journal.pone.0140963. eCollection 2015.

### 1 capsule contains

Broccoli seed extract	200 mg
of which glucoraphanin	20 mg
trans-Resveratrol	32 mg
Myrosinase	10 mg

# Ingwer-Extrakt (Ginger)

## Herbal antiemetic with stomachic characteristics

- Nausea and vomiting during or after a chemotherapy in cancer patients
- Travel nausea

Ginger root has already been used for many centuries as a herbal remedy. The substances (pungent flavours, ethereal oils) contained, not only give it an anti-oxidative or anti-inflammatory effect, but also anti-emetic characteristics. Numerous more recent studies have dealt especially with the possible use of ginger in the treatment of nausea and vomiting in cancer patients during or after chemotherapy. The background is the cellular toxins contained in chemo-medicines which, in addition to cancer cells, also impair intestinal cells. They then release the neurotransmitter serotonin, which latches onto a receptor on the surface of nerve cells and activates the brain's vomiting centre. The result is nausea and vomiting. This unpleasant accompanying symptom further weakens patients who are already impaired by the cancer and can degenerate to a potentially fatal cachexia. Even if the tumour should respond to the chemotherapy, in severe cases the therapy may have to be aborted. The ingredients of ginger can inhibit certain neurotransmitters of the brain's vomiting centre. This is mainly due to the efficacy of the phytochemicals such as gingerol contained in the ginger root.

Using ginger extract in capsule form can therefore bring about an improvement in symptoms in cancer patients during and after chemotherapy and support a drug-based therapy with anti-emetics. Taking ginger extracts in capsule form does not have side effects and is therefore very well tolerated. Furthermore, ginger is evidenced as having anti-tumoural properties. For example, ginger is said to encourage the apoptosis of cancer cells and regulate their cell proliferation.

2 capsules contain	
Ginger Root Extract	500 mg
Which of Gingerol	25 mg



120 capsules

### Mode of action

- Anti-emetic
- Anti-oxidative
- Anti-inflammatory
- Anti-carcinogenic properties

### Recommended intake

2 capsules a day with liquid.

### Notes

Not suitable for children under 6 years and pregnant women.

### Additional product recommendation

Vitalkomplex Dr. Wolz

**Without lactose, gluten, fructose, and colours. Capsule from vegetable cellulose.**



# Grüntee-Extrakt (Green tea)

Anti-oxidative effect complex with phytochemicals from green tea



120 capsules

Permanent residue control

## Mode of action

- Anti-oxidative
- Anti-inflammatory
- Anti-atherogen
- Anti-carcinogenic properties

## Recommended intake

3 capsules a day with liquid.

## Notes

The caffeine proportion is under 1%. Patients who take medicines (e.g. Bortezomib) which induce tumour cell apoptosis as part of chemotherapy should not take green tea capsules during the chemotherapy.

## Additional product recommendation

Vitalkomplex Dr. Wolz

Without lactose, gluten, fructose, and colours. Capsule from vegetable cellulose



- Prophylaxis of cardiovascular diseases and arteriosclerosis
- Prevention and adjuvant treatment of cancer
- Adjuvant treatment of chronic inflammations and associated diseases (e.g. rheumatism, Parkinson's, Alzheimer's, irritable bowel, psoriasis)

Green tea contains a multiplicity of health-promoting substances which benefit the human organism, first and foremost polyphenols such as catechins. The focus of research is thus on epigallocatechin gallate (EGCG) from green tea: it has been possible to verify an anti-carcinogenic, anti-inflammatory, anti-oxidative and anti-atherogenic effect for EGCC. Grüntee-Extrakt Dr. Wolz contains standardised dosages of the catechins, so that the drug can be used systematically for adjuvant treatment and prevention of disorders, which are triggered by chronic inflammatory processes such as cardiovascular diseases, arteriosclerosis or cancer. Phytochemicals can intervene in the mechanisms of inflammation and keep them in check. Here immune system cells play a major role, such as T-cells, B-cells or macrophages. They secrete proinflammatory cytokines such as TNF- $\alpha$  and interleukins which maintain inflammation in the tissues. First and foremost, epigallocatechin-3-gallate (EGCG), contained in green tea, has been shown in preclinical and clinical studies for the validation of cardiovascular and anti-rheumatic activities to be strongly anti-inflammatory. With this in mind taking EGCG in the standardised dosage in Grüntee-Extrakt Dr. Wolz can be especially recommended for all pathologies which are triggered by inflammatory processes. Especially on cancer there are many studies available, which prove the positive effect of EGCG from green tea or extract, manufactured from it. The focus is on the possible influence of EGCG on demethylating certain sections of DNA which permit an activation of tumour suppressor genes. In addition, ingesting EGCG can promote the programmed cell death (apoptosis) of cancer cells and prevent metastasis. A special extract with a particularly low proportion of caffeine (<1%) is used for Grüntee-Extrakt Dr. Wolz. There are constant tests on the absence of residues and the high quality of the green tea being used. The green tea extract is complemented by highly bioavailable vitamin C from acerola.

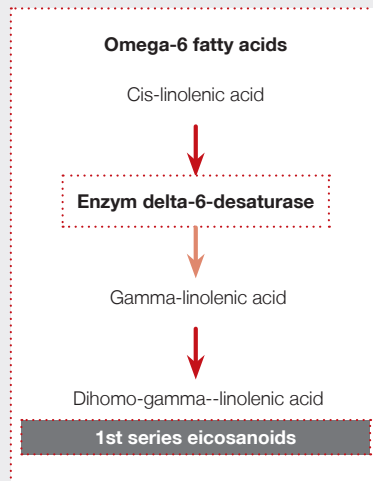
### 3 capsules contain

Green Tea Extract	750 mg
which of polyphenols	735 mg
which of catechins	450 mg
which of EGCG	355 mg
Vitamin C	35 mg

# Borretschöl-Kapseln (Borage seed oil)

Natural, concentrated gamma linolenic acid for the skin and metabolism

- Skin diseases (neurodermatitis, psoriasis, eczema)
- Dry skin
- Autoimmune diseases (e.g. rheumatic disorders)
- Premenstrual syndrome
- Benign mastopathy
- Migraine



The medical active substance from borage is the fat oil from the plant's seeds. Borage seed oil has the highest proportion of gamma linolenic acid among plants (approx. 20%). This omega-6 fatty acid is a key raw material for forming functionally important structural lipids and certain anti-inflammatory substances (series 1 - PG1 prostaglandines). They also play a role in hormonal regulation in women and men and in immune defence. According to studies, therefore, the therapeutic use of gamma linolenic acid is useful for stabilising the hormone balance and cell membranes and for supporting skin metabolism. Borage oil is particularly recommended for inflammatory skin diseases such as neurodermatitis. Herbally sourced polyunsaturated fatty acids like gamma linolenic acid are consumed far too little. The body has to be supplied with them each day as it cannot form them itself. Furthermore, the conversion in the body of gamma linolenic acid can be disrupted by too many animal fats, too much alcohol, virus infections, diabetes or also for age-related reasons. The enzyme delta-6-desaturase is the key enzyme for the formation of 1st and 3rd series eicosanoids. These eicosanoids act anti-inflammatorily and as immunomodulators and are very desirable and crucial. Taking borage oil and thus gamma linolenic acid can circumvent a „weakness“ of the enzyme delta-6-desaturase for manufacturing enough 1st series eicosanoids. Such a weakness or even a complete absence of delta-6-desaturase (the so-called desaturase defect) is often present in neurodermatitis sufferers and patients with eczemas. This gives rise to inflammations in the body which manifest themselves in the form of neurodermatitis. The gamma linolenic acid of borage oil helps to balance this enzyme defect. Studies indicate that taking just 2 g (= 4 capsules) of borage oil clearly improves the state of a dry, flaky skin. A primary reduction in activity of delta-6-desaturase also occurs in premenstrual syndrome (PMS) (= extremely complex disorders occurring in every period in women) and migraine.

#### 1 daily ration of 2 capsules contains:

Vitamin E in Alpha TE	24 mg
Polyunsaturated fatty acids	590 mg
which of omega-3-fatty acid	590 mg
which of gamma-linolenic acid	240 mg



60 capsules

#### Mode of action

- Immune modulating
- Anti-inflammatory

#### Recommended intake

2 capsules per day before or during a meal with liquid. In Atopic dermatitis is a long-term intake of 4 capsules necessary (at least 4-6 weeks).

#### Notes

Recommended for diabetics.

#### Additional product recommendation

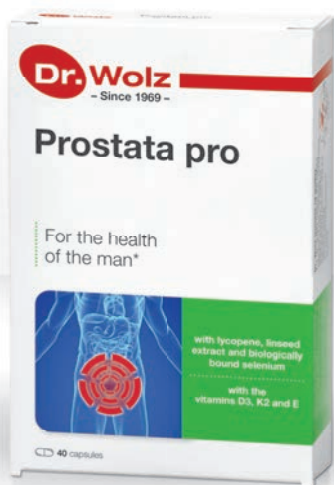
Omega-3-Fettsäuren

#### Without lactose, gluten and colours.



# Prostata pro

Optimum provision of micronutrients for sufferers of prostate disorders



Combination pack  
2 x 20 capsules

## Mode of action

- Hormonal modulation
- Anti-oxidative
- Anti-carcinogenic properties

## Recommended intake

The combination pack contains 2 blisters for different actions. The capsules are different colours. To achieve a combined effect, take 1 capsule of each colour daily together with a meal and fluid.

## Notes

Suitable for diabetics.

**X Detailed product information available!**

**Without lactose and gluten.**



- Support of prostate health
- Prevention and neutraceutical support for prostate cancer and its precursors
- Adjuvant treatment of prostatitis

Prostata pro Dr. Wolz contains only biologically natural ingredients, which according to current studies have a protective effect on the prostate: flax seed lignans modulate hormonal effects on the prostate. The phytochemical lycopene from tomatoes is the most efficient antioxidant among the carotenoids to specifically also improve the antioxidation reaction of prostate cells. The potential of vitamin K2 has a key role for prostate health because it down-regulates the inflammation genes in prostate cancer cells. In addition, prostate sufferers frequently are insufficiently supplied with vitamin D. Vitamin D is, however, important for inhibiting the differentiation of prostate carcinoma cells. Vitamin E inhibits the cell proliferation of prostate carcinoma cells, and as a part of glutathione peroxidase the selenium biologically bound in Prostata pro plays a key role in detoxification metabolism. Accordingly, Prostata pro is a scientifically justified combination of useful micronutrients and phytochemicals in prostate disease and - symptoms (especially prostate cancer) . Both the single substances and their interaction and the dosages derived from studies make sense for nutritional and dietary-therapy The major advantage of Prostata pro: usually older patients cannot be expected to combine several commercially available dietary supplements in such a way that they receive the micronutrients and phytochemicals contained in this scientifically justified quantity, without at the same time being unnecessarily supplied or over-supplied with other ingredients of these dietary supplements developed for other purposes.

### 1 daily ration of the Lycopene-Complex capsules contains:

Lycopene powder 6% (= Lycopene)	250 mg (15 mg)
RRR- $\alpha$ -Tocopherol-Concentrate (= Vitamin E in Alpha-TE)	38 mg (25 mg)

### 1 daily ration of the Lignans-Complex capsules contains:

Lignans-Extract 20% (= Lignans)	250 mg (50 mg)
Vitamin D3 Powder 0,25% (= Vitamin D3)	0,9 mg (22,5 $\mu$ g = 900 I.E.)
Vitamin K2 Powder 0,1 % (= Vitamin K2)	50 mg (50 $\mu$ g)
Selenium yeast 0,2 % (1 mg = 2 $\mu$ g selenium)	50 mg (100 $\mu$ g)
RRR- $\alpha$ -Tocopherol-Concentrate (= Vitamin E in Alpha-TE)	38 mg (25 mg)



# **Vitamins & minerals**

# Jod Calcium Kapseln (Iodine-Calcium)

Naturally extracted iodine and calcium for substitution if there is a heightened demand



  
60 capsules

## Mode of action

- Thyroid growth regulation

## Recommended intake

1 - 2 capsules per day before or during a meal with liquid. Capsules can be opened to dilute content with the food.

## Notes

Suitable for diabetics. Do not use in hyperthyroidism.

## Additional product recommendation

Selenium (for controlling the activation in T3 and T4)

**Without gelatine, gluten, lactose and colours.**

**Capsule from vegetable cellulose.**



- If there is heightened demand (pregnancy, breastfeeding, growth, athletes – iodine loss/sweat: 48 g)
- If there is a dietary imbalance (no iodine salt, vegan, little milk and sea fish, high coffee/tea consumption)
- Iodine deficiency disorders (e.g. hypothyroidism)
- Hypoparathyroidism

Iodine is an integral component of the thyroid hormones T3 and T4. The thyroid of an adult needs 200 µg of iodine to perform optimally. To ingest 100 µg iodine, approx. 150 g of sea fish would have to be eaten each day. Germany is the laggard among Western industrial nations in terms of iodine provision. Some 30 percent of Germans suffer from iodine deficiency. So, a supplementation of iodine is not only indicated for hypothyroidism, there is relatively often an increased need. The iodine contained in the Jod-Calcium Kapseln Dr. Wolz is sourced from algae extracts containing iodine in dried form which come from the North Atlantic and, in addition to iodine, also contain many other key trace elements (incl. zinc, selenium, iron etc.). Regular careful checks for residue ensure the high quality of this natural product. Hypoparathyroidism adversely affects calcium metabolism. A decline in the calcium level in the blood occurs resulting in the clinical symptoms of a calcium deficiency. The calcium powder used in Jod-Calcium Kapseln Dr. Wolz originates from coral algae calcium and is free of organic residue.

### 1 daily ration of 1 capsule contains:

Calcium from coral algae	130 mg
Iodine from seaweed extract	75 µg

# Vitamin D preparations from Dr. Wolz

## Targeted orthomolecular supply with vitamin D

- If there is heightened demand (old age, infants, pregnancy/breastfeeding, obesity, if bedridden, in the winter)
- Dietary imbalance (little fish and calcium, solely vegetarian)
- Malabsorption (incl. CED, liver-gallbladder disorders, cystic fibrosis, exocrine pancreas insufficiency)
- Immune weakness
- Specific diseases (incl. Alzheimer's, bronchial asthma, autism, COPD, diabetes mellitus (I+II), cardiac insufficiency, lupus erythematosus, macular degeneration, myopathies, MS, psoriasis, rickets, osteoporosis, rheumatoid arthritis, scleroderma)

Vitamin D performs numerous functions in the body. It has an important role in bone metabolism (incl. increased osteoblast activity, maintenance of calcium absorption, bone cell maturation). It is also required for the skin (keratinocyte maturation, anti-proliferative), the skeletal musculature (femoral neck fracture!), the cardiovascular system and endocrine regulation and the pancreas (insulin secretion). Vitamin D also has major importance for the immune system (e.g. stimulation of phagocytosis activity, reduction of TNF- $\alpha$ ). Almost every second person in Central Europe is deficient in vitamin D. Using UV light the body manufactures about 90 percent of its vitamin D needs. Only the remaining 10 percent is covered by daily diet such as fatty fish. However, UV radiation, e.g. in the winter, is often insufficient for the elderly and children. The vitamin D used comes from natural sources: vitamin D3 (calciferol) is obtained from wool grease (lanolin) from sheep, the vegan vitamin D2 (ergocalciferol) from yeast. It is free of animal constituents and thus suitable for vegan and vegetarian diets. The vitamin D is supplemented by vitamin C from acerola cherries.

### NEW

Vitamin D3 4000 I.U. plus: A sensible combination of Vitamin D3 4000 I.E. plus contains high doses of vitamin D3 (4000 I.E. per capsule) combined with resveratrol, citrus flavonoids and vitamin C from acerola juice powder. The addition of resveratrol is considered particularly useful, as studies have shown that it stimulates the vitamin D receptors in the organs.

1 daily ration of 1 capsule Vitamin D3 1000 I.E. plus Dr. Wolz contains:	
Vitamin D3 powder 0,25% (= Vitamin D3)	25 $\mu$ g = 1000 I.E.
Acerolapowder 25% (= Vitamin C)	160 mg (40 mg)
Citrus bioflavonoids	36 mg

1 daily ration of 1 capsule Vitamin D2 1000 I.E. vegan Dr. Wolz contains:	
Vitamin D2	25 $\mu$ g = 1000 I.E.
Vitamin C	48 mg



Vitamin D2 1000 I.E. vegan  
60 capsules  
Vitamin D3 1000 I.E. plus  
60 capsules

### Mode of action

Vitamin D has many functions in the body, e.g.:

- Regulation of bone metabolism
- Immunomodulation
- Effect on the cardiovascular system
- Endocrine regulation
- Maintenance of insulin secretion
- Skin: antiproliferative
- Anticarcinogenic

### Recommended intake

Adults take 1 capsule daily together with a meal and a small amount of fluid. Children aged 2 and above take 1 capsule or the contents of one capsule every second day together with a meal.

### Notes

Suitable for diabetics.

Without gelatine,  
gluten, lactose and  
colours.

Capsule shells made from  
plant cellulose



# Selen 100 µg ACE Cell protection capsules (Selenium)

Naturally bound selenium for substitution if there is a heightened demand



60 capsules

180 capsules

**Naturally bound selenium**

## Mode of action

Selenium has many functions in the body, e.g.:

- Antioxidant protection
- Immune Regulation
- Anticarcinogenic effects
- Thyroid hormone metabolism
- Cell division
- Detoxification of mutagens and heavy metals

## Recommended intake

1 capsule selenium per day before or during a meal with liquid.

## Notes

Suitable for diabetics.

**X Detailed product information available!**

**Without gluten and lactose.**



- Heightened demand (pregnant women, breastfeeding, vegetarians)
- Detoxification and cell protection if there is increased oxidative stress (smoke, competitive sport, toxin-/heavy metal pollution)
- Cancer, esp. after radiation/chemotherapy
- Hypothyroidism, Hashimoto's thyroiditis
- Specific illnesses (rheumatic disorders, ARDS, CED, inflammations, lymphedema, after heart attacks, cystic fibrosis)

Selenium has multiple anti-oxidative and immunomodulatory properties. Together with the vitamins C and E it has a central function for the endogenous redox systems which bind and neutralise the free radicals which form in the body cells. Environmental impacts (radiation, cigarette smoke, chemicals) and increased strain on the body weaken and overtax this protective system. Therefore, a natural selenium substitution is indicated after, for example, each chemo- or radiotherapy. Selenium is also crucial for a normal thyroid function. As a component of Gluthationperoxidase, selenium protects the organ against hydrogen peroxide which forms while thyroid hormones are being synthesised. Selenium is also a component of the deiodases that deiodinate the prohormone thyroxine T4 to the active hormone triiodothyronine (T3). In a Hashimoto's thyroiditis the TPO-antibody titres are lowered thanks to selenium. The available selenium is biologically bound in selenium yeast as selenomethionine. This binding reflects how it occurs in nature.

The absorption of selenium is not disrupted by vitamin C as here the selenium is bound biologically in an amino acid. The selenium is supplemented with mixed natural carotenoids, lycopene from tomatoes, lutein, zeaxanthin, vitamin C from acerola cherries and vitamin E from wheat germ oil. To check the need for selenium substitution, the blood selenium level should be determined. It should be about 110-140 µg/l.

### 1 daily ration of 1 capsule contains:

Acerola juice powder 25% (= Vitamin C)	200 mg (50 mg)
Wheat germ oil	125 mg
RRR- $\alpha$ -Tocopherol-concentrate (= Vit. E in Alpha TE)	54 mg (36 mg)
Selenium yeast (1 mg = 1 µg Selenium)	100 mg (100 µg)
Lycopene	1 mg
Natural mixed Carotenoids	3 mg
Luteine	0,4 mg
Zeaxanthine	0,1 mg

# Acerola-Vitamin C + Citrus flavonoids

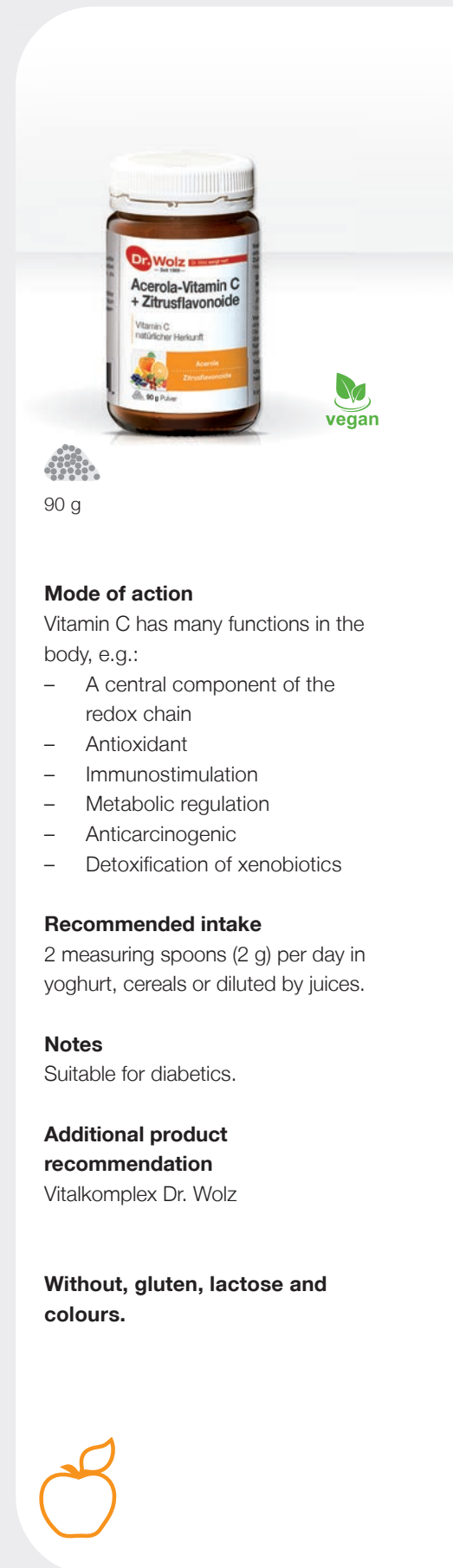
**Highly bioavailable natural vitamin C for supplementation if there is heightened demand**

- If there is an increased need for vitamin C (old age, competitive sport, pregnancy, breastfeeding, growth)
- If there is a dietary imbalance and malabsorption (e.g. gastritis, CED)
- With certain lifestyles (alcoholism, smoking, stress)
- With recurring infections
- If there are certain disorders (diabetes mellitus, hyperthyroidism, coronary heart disease, cancer, liver and kidney disorders, cystinuria)
- Additionally with certain medications (ASA, corticoids)

Vitamin C is a central component in the endogenous anti-oxidative redox systems and performs numerous other functions in the human organism. These include immune stimulation, endothelial protection, detoxification function (e.g. drugs), improving the iron absorption in the bowel and participation in the synthesis of numerous substances (neurotransmitters, collagen, bile acid, carnitine). Furthermore, vitamin C has anti-carcinogenic characteristics (e.g. inhibition of the formation of carcinogenic nitrosamines, protecting the DNA, cytotoxic effects on tumour cells). A supplementation with vitamin C makes sense if there is a dietary imbalance in conjunction with heightened demand, in particular, in cases when certain medicines are taken that are considered to be „vitamin C robbers“ (e.g. ASA). Vitamin C and citric flavonoids are also sourced from acerola cherry fruit powder, hibiscus, bilberries and oranges. Bilberries have a high percentage of the phytochemical from anthocyanins. Acerola is considered to be one of the fruits with the most abundant vitamin C on earth. The bioavailability of the vitamin C naturally bound in acerola in combination with citrus flavonoids, is clearly higher than in synthetic ascorbic acid. The natural L-ascorbic acid in nature normally always occurs in its natural matrix together with its biological precursors and bioflavonoids. So, natural vitamin C is more accurately a mixture of substances and can also only be properly absorbed and used by the body in this natural form. Acerola, therefore, not only contains vitamin C in an isolated form as pure ascorbic acid, but also the entirety of its biological precursors which brought about the synthesis of vitamin C in the acerola fruit during maturation.

#### 1 daily ration of 2 measuring spoons contains:

Acerola powder 20% (= vitamin C)	1,056 mg (240 mg)
Rosehip fruit powder	272 mg
Blueberry fruit powder	250 mg
Orange fruit powder	230 mg
Citrus flavonoids powder 60% (= citrus flavonoids)	192 mg (116 mg)



90 g

#### Mode of action

Vitamin C has many functions in the body, e.g.:

- A central component of the redox chain
- Antioxidant
- Immunostimulation
- Metabolic regulation
- Anticarcinogenic
- Detoxification of xenobiotics

#### Recommended intake

2 measuring spoons (2 g) per day in yoghurt, cereals or diluted by juices.

#### Notes

Suitable for diabetics.

#### Additional product recommendation

Vitalkomplex Dr. Wolz

**Without, gluten, lactose and colours.**



# B-Komplex + Biotin + Folsäure Hefetabletten (B-Complex+Biotin+Folic acid Yeast Tablets)

## Orthomolecular supplementation with B-vitamins



### Mode of action

- Metabolic regulation
- Mitochondrial ATP production
- Construction and regeneration of nerve cells and myelin
- Boosting the immune system

### Recommended intake

6 tablets per day during the meals with liquid, during the day or at once.

### Notes

Suitable for diabetics.

**Without gelatine, gluten, lactose and colours.**



- Orthomolecular basic provision (chiefly for heightened demand, during pregnancy, competitive sport)
- Skin diseases (acne, Herpes zoster, neurodermatitis)
- Neuropsychiatric diseases (dementia, depressions, Alzheimer's, Parkinson's, MS, neuralgia (trigeminus), polyneuropathies, forms of neuritis, ischialgia)
- States of exhaustion (burnout, chronic fatigue)
- Anaemia
- Medicines which impair vitamin B status

B-vitamins are involved in all metabolic processes as catalysts and modulators. They are also key to mitochondrial ATP synthesis and functioning of the immune system. B-vitamins also play a special role in the nervous system. As the individual B-vitamins in the metabolism are dependent on each other and there is almost never an isolated B-vitamin deficiency, it makes more sense to supplement with the entire B-complex. A deficiency could become noticeable through, among other things, depressive moods, headaches, tiredness, decline in mental and physical abilities, neurological disorders and immune weakness. B-vitamins (esp. biotin) also play a key role in skin metabolism, are required for healthy hair and nails. An imbalanced protein metabolism gives rise to increased formation of the amino acid homocysteine.

Homocysteinaemia means a risk for different disorders (cardiovascular diseases, MS, macular degeneration, complications of pregnancy, Alzheimer's). The vitamins B6, B12 and folic acid provide for a balance. Although, folic acid is available in vegetable and animal food, when cooked it is largely destroyed. Also certain medications (incl. psychotropic drugs, anticonvulsives, diuretics, oral contraceptives, paracetamol, cytostatic drugs) can adversely affect vitamin B status.

### 1 daily ration of 6 tablets contains:

Vitamin B1	2,4 mg
Vitamin B2	3,0 mg
Vitamin B6	3,0 mg
Vitamin B12	7,8 µg
Biotin	150 µg
Folic acid	600 µg
Yeast	1422 mg



# Psyche & Sleep

# Safran+Rhodiola-Extrakt (Saffron + Rhodiola)

Anti-depressive acting complex with the phytochemicals safranal and rosavin



120 capsules

## Mode of action

- Antidepressant effects
- Improving concentration
- Anti-oxidative
- Anti-carcinogenic properties

## Recommended intake

2 capsules a day before or during a meal with liquid.

## Notes

Not suitable for children and pregnant women. As a precaution the product should not be used if liver function is restricted, there is kidney damage or extremely rare hypersensitivity reactions to saffron or rhodiola.

## Additional product recommendation

Omega-3-Fettsäuren

Without lactose, gluten and colours. Capsule from vegetable cellulose



- Depressive mood and lethargy
- Promotion of concentration and memory
- For stress and phases of physical exertion
- Adjuvant therapy in cancer patients

Two capsules of Safran+Rhodiola-Extrakt Dr. Wolz contain 30 mg of high-quality saffron extract and 300 mg of therapeutic-grade rhodiola extract. Both plants have been used in naturopathy for many centuries. The latest studies prove the anti-oxidative, anti-depressive and anti-carcinogenic effect of the ingredients of saffron, such as safranal or crocin and rhodiola or rosavin. Learning performance and the ability to concentrate are also supported. Taking 30 mg of saffron extract is enough to demonstrate these effects and for use to prevent cardiovascular disease or cancer and to treat depressive moods or lethargy, especially in chronically sick patients and cancer sufferers. Saffron has been known as a remedy in Indian ayurveda medicine for 2,000 years. Traditional Chinese medicine also uses saffron as a herbal remedy in different indications. Modern medicine has especially been able to identify anti-depressive, learn-promoting and anti-carcinogenic effects of saffron. It is postulated that active substances of the plant could form a type of screen around brain cells and thus, prevent their destruction. Rhodiola (rose-root) has long been used in naturopathy – mainly in Scandinavia, the Baltic states and Russia – as an effective natural substance for stress and excessive strain. Rhodiola is one of the so-called adaptogenic herbal remedies – herbal active substances, which make the body more resistant to stress and exertion. Studies suggest that Rhodiola extracts, activate certain neurotransmitters in the brain and also eliminate harmful intermediate metabolites. Furthermore, it has been possible to verify the positive impact of Rhodiola rosea extract on the psyche, such as the regulating effect on neuropeptide Y. This hormone is involved in stress processing in the central and peripheral nervous system. Rhodiola extracts also inhibit monoamine oxidase (MAO) and therefore produce an anti-depressive effect.

### 2 capsules contain

Saffron extract	30 mg
which of Safranal	0,6 mg
Rhodiola extract	300 mg
which of Rosavin	9 mg
Vitamin B12	1,3 ug
Pantothenic acid	3 mg
Vitamin C	40 mg

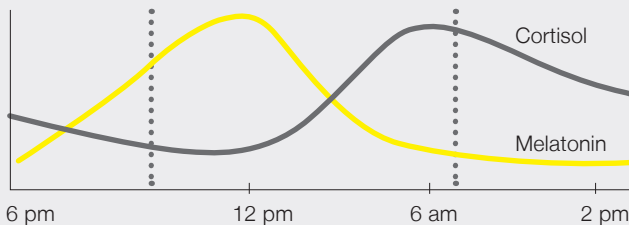
# Einschlafspray (Sleeping Spray)

For immediate effect: reducing the time required to get to sleep\*

- With melatonin and passion flower extract
- To get to sleep faster\*
- To relieve jet lag\*

The active substance used is melatonin, a hormone which is produced by the body in the brain's pineal gland. As melatonin also regulates sleep, it is also dubbed the sleep hormone.

The antagonist to melatonin is cortisol. With increasing darkness, the release of the sleep hormone melatonin normally increases towards evening, while cortisol levels drop. Cortisol levels increase early in the morning, supporting the process of waking up.



Frequent stress can result in cortisol levels being permanently elevated and the body missing important phases of rest. This may not only result in elevated blood pressure, but also insomnia. Here, and when the day-night rhythm is disrupted (e.g. by jet lag), it can be useful to take a melatonin supplement.

The Sleeping Spray also includes a premium passion flower extract. Passion flower has had a tradition of use in natural medicine for aiding rest and harmony, going back to over 1000 years.

Recommended dosage	1 puff	2 puffs	3 puffs
Melatonin	0,5 mg	1 mg	1,5 mg
Passion flower extract	0,125 mg	0,25 mg	0,38 mg

\* Melatonin contributes to shortening the time required to get to sleep. The positive effect begins if 1 mg melatonin is administered just before going to bed. The positive effect begins if at least 0.5 mg is administered just before going to bed on the first day of travel and on the first few days after arrival at the destination.



30 ml

## Recommended intake

Spray 2–3 puffs a day directly into the mouth about 30 minutes before going to bed.

## Note

With jet lag the positive effect begins if at least 1 puff (= 0.5 mg melatonin) is administered just before going to bed on the first day of travel and on the first few days after arrival at the destination. Shake before use.

Alcohol content 10 % vol

**Gluten-free and no preservatives and lactose.**



# Petogen:

Dr. Wolz – Products for strengthening and regeneration of animals



## Free online seminars

Here you will find free online seminars on our preparations and topics related to mitochondrial therapy, phytotherapy, microbiological therapy, immunotherapy, orthomolecular therapy and much more.

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