

WE EARN YOUR TRUST, ONE BOTTLE AT A TIME



Berbersorb

RN Labs Berbersorb delivers metabolically active Berberine in a phytospholipid complex for maximum absorption, specifically to assist in the maintenance of healthy blood sugar levels.

Berberine is recognised as a naturally derived bioactive alkaloid obtained from the *berberis* genus plants, proven to favourably modulate blood profiles such as plasma lipids and glucose levels, therefore contributing to metabolic wellbeing.

Finding a way to maintain metabolic balance is a key global health challenge, among the growing incidence of chronic metabolic health conditions such as Metabolic Syndrome, PCOS or Type-II Diabetes.

Using a patented phytosome technology, the absorption of berberine is optimised 10 times - utilising this form has shown in clinical trials to contribute to metabolic wellbeing by lowering blood glucose, and to have a positive effect on body composition, inducing redistribution of adipose tissue even without subjects being on a low-calorie diet.

Key Points

- ✓ Phytosome® form (Phytophospholipid complex) ensures efficient absorption specifically for metabolic benefits of Berberine
- ✓ Supports healthy blood glucose management
- ✓ May help support insulin function within metabolic syndromes
- ✓ May help support management of ovarian cysts and fertility

Berbersorb 60 capsules		AUST L 390318
Each Vegetarian Capsule Contains:		
Berberis® Berberine Phytosome®		250 mg
containing Berberis aristata root dry ext. concentrate		105 mg
equivalent to dry Berberis aristata root		5.52 g
standardised to contain Berberine		75 mg
Excipients: Pea powder, Lecithin (Sunflower), Hypromellose (Capsule), Vitis vinifera (Grape) seed extract, Leucine, Microcrystalline Cellulose, Hypromellose, Colloidal Anhydrous Silica. Suitable for vegans.		

GLUTEN FREE

DAIRY FREE

EGG FREE

YEAST FREE

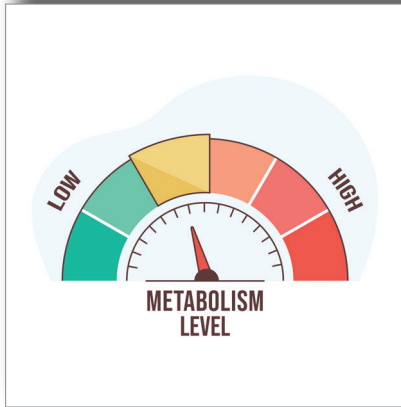
SOY FREE

SUGAR FREE

NO
HARSH
ADDITIVES

VEGAN

Research Highlights



TARGETED ABSORPTION

Phytosome® form (Phytophospholipid complex) allows for the absorption and sustained release of quantities of Berberine hydrochloride required for effective metabolic support.

A study by *Petrangolini et al. (2021)* found that the solubility of Berberine Phytosome® form demonstrated an increase of solubility in simulated gastric and intestinal fluids and an improved bio accessibility at intestinal level along with a lower cytotoxicity. The pharmacokinetic profile of the oral administration to healthy volunteers confirmed that Berberine Phytosome significantly ameliorated berberine absorption, in comparison to conventional berberine extracts, without any of the commonly observed side effects, such as gastrointestinal irritation.

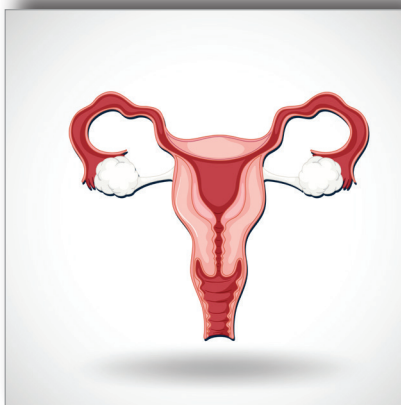
The Berberine plasma concentrations (area under the curve) observed with both doses of Phytosome® form of Berberine were higher than those of standard Berberine supplement administration. Furthermore, Berberine Phytosome® improved Berberine bioavailability significantly, around 10 times on molar basis and with observed dose linearity.



INTERACTION BETWEEN METFORMIN & BERBERINE

Clinical trials assessing Berberine, combined with Metformin have demonstrated significantly decreased HbA1c levels with less adverse effects, compared with Metformin alone.

The combination of Metformin and Berberine exerted synergistic lipid-lowering effects on HepG2 cells by reducing total lipid content, triglyceride level, and the expression of the genes involved in lipogenesis.



SUPPORTING OVARIAN CYSTS AND FERTILITY

Berberine may play a role in PCOS management and treatment strategies. One study found after 60 days of supplementation with a phytosomal® Berberine formulation in PCOS females, there was a statistically significant decrease in insulin resistance, CRP, TNF-, Triglycerides, Testosterone, Body Mass Index (BMI), Visceral Adipose Tissue (VAT), fat mass, GAGS and CADI scores, and a statistically significant increase in sex hormone-binding globulin (SHBG).

Another study by *An et al. (2014)* evaluated the clinical, metabolic and endocrine effects of Berberine versus Metformin in PCOS women scheduled for IVF treatment. Compared with placebo, greater reductions in total Testosterone, free androgen index, fasting glucose, fasting insulin and HOMA-IR, and increases in SHBG, were observed in the Berberine and Metformin groups. Three months of treatment with Berberine or Metformin before the IVF cycle increased the pregnancy rate and reduced the incidence of severe ovarian hyperstimulation syndrome. Furthermore, treatment with Berberine, in comparison with Metformin, was associated with decreases in BMI, lipid

parameters and total FSH requirement, and an increase in live birth rate, with fewer gastrointestinal adverse events. Berberine and Metformin treatments prior to IVF improved the pregnancy outcome by normalising the clinical, endocrine and metabolic parameters in PCOS women. The authors stated that "Berberine has a more pronounced therapeutic effect and achieved more live births with fewer side effects than Metformin."

At a cellular level, the inhibitory effect of Berberine on mitochondrial enzymes is probably responsible for many of its biological activities, including the activation of low-density lipoprotein receptor (LDLR), AMP-activated protein kinase (AMPK) and insulin receptor (InsR); these biological activities contribute to ameliorate peripheral blood metabolic profiles, e.g. by reducing plasma lipids and glucose levels, thus improving signs and symptoms of metabolic disorders.

Directions for Use



SUGGESTED USE

Adults take 1-2 capsules, once or twice per day with food depending on clinical goals and responses, and according to practitioner judgement.



STATEMENTS & WARNINGS

FOR PRACTITIONER DISPENSING ONLY
Not recommended for use by pregnant and lactating women.



KNOWN SIDE EFFECTS

In some cases high doses of Berberine may have transient gastrointestinal symptoms, however it is generally well tolerated, in its Phytosome® form within recommended doses.



PURE & LOW SENSITIVITY

This product does NOT contain any wheat, gluten, dairy, lactose, egg, yeast, soy, artificial colours, artificial sweeteners, or artificial flavours.

This product also does not contain artificial preservatives, stearate lubricants and other commonly detrimental excipients.

Reference List

An, Y., et al, 2014. The use of berberine for women with polycystic ovary syndrome undergoing IVF treatment. Clinical endocrinology.

Derosa, G et al, 2015. Berberis aristata/Silybum marianum fixed combination (Berberol®) effects on lipid profile in dyslipidemic patients intolerant to statins at high dosages: A randomized, placebo-controlled, clinical trial. Phytomedicine.

Dong, H. et al, 2012. Berberine in the treatment of type 2 diabetes mellitus: a systemic review and meta-analysis. Evidence-based complementary and alternative medicine.

Kong, W. J. et al, 2020. Berberine in the treatment of metabolism-related chronic diseases: A drug cloud (dCloud) effect to target multifactorial disorders. Pharmacology & therapeutics.

Petrangolini, G. et al, 2021. Development of an Innovative Berberine Food-Grade Formulation with an Ameliorated Absorption: In Vitro Evidence Confirmed by Healthy Human Volunteers Pharmacokinetic Study. Evidence-based complementary and alternative medicine.

Rondanelli, M. et al, 2021. Berberine Phospholipid Is an Effective Insulin Sensitizer and Improves Metabolic and Hormonal Disorders in Women with Polycystic Ovary Syndrome: A One-Group Pretest-Post-Test Explanatory Study.

Wang, L. et al, 2021, Berberine and Metformin in the Treatment of Type 2 Diabetes Mellitus: A Systemic Review and Meta-Analysis of Randomized Clinical Trials. Health.

Yin, J. et al, 2008. Efficacy of berberine in patients with type 2 diabetes mellitus. Metabolism: clinical and experimental.

Rondanelli M. et al., Archives of Gynecology and Obstetrics (2020) 301:53-60



WE CARE ABOUT YOUR PATIENTS.

RN Labs deliver premium-grade, strictly clinician-only supplements, formulated for everyone, even your most sensitive patients. All our product labels provide full-label transparency - listing all excipients - so you can be confident that you are giving your patient a pure, high quality product that you and your patient can rely on.



UNPARALLELED PURITY STANDARDS

We only select ingredients from suppliers that can guarantee purity, proven by testing. Our quality standards are adhered to and continuously measured to maintain manufacturing excellence. We have always voluntarily provided full label transparency – meaning everything in the bottle is listed on the label.



LOW-EXCIPIENT MANUFACTURING

Like you, nothing is dearer to us than our health and helping others achieve optimum wellness. It's why we are so fastidious about developing products that even the most sensitive individuals can take - free from harsh excipients and inappropriate compound forms.



CLINICAL VALIDATION

RN Labs products define the highest level of purity, quality and innovation. RN Labs will always select the most scientifically validated forms of nutrients for their intended purposes. Premium quality nutrients enhance biological activity and utility, and may reduce potential digestive or metabolic burdens.



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We are committed to improving client outcomes. RN Labs products are designed to individualise treatment needs. We believe in a holistic and targeted approach to healthcare, that supports the unique expression of health and vitality in each individual.



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