

Prosta-Micro



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Serenoa Repens, African Pygeum, Willowherb Ultra-micro emulsified

GLUTEN FREE

Medium contents	For 1 stick
Serenoa oil	350 mg
Intake of fatty acids	297.5 mg
African pygeum d.e.	100 mg
Epilobium d.e.	50 mg

*Nutrient reference value

The recommended dose take one stick pack sachet per day directly into mouth.

Ingredients:

Water; Stabilizer: Erythritol; Serenoa (Serenoa repens (W. Bartram) Small) fruit oil tit. 85% Fatty acids; Emulsifiers: Sunflower Lecithin, Monostearate polyoxyethylene sorbitan; Thickener: Xanthan gum; Acidifier: Citric acid; African pygeum (Prunus africana (Hook.f.) Kalkman) bark d.e. Epilobium (Epilobium angustifolium L.) grass e.s. Preservatives: Potassium sorbate, Sodium benzoate; Aroma; Sweetener: Sucralose.

Marketing Authorisation holder:

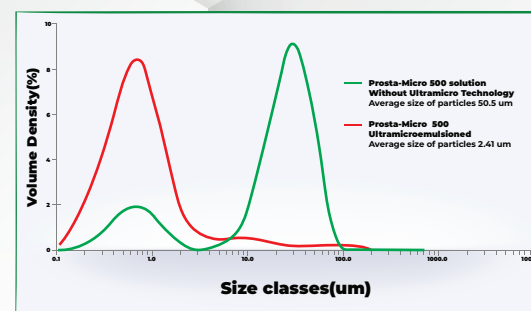
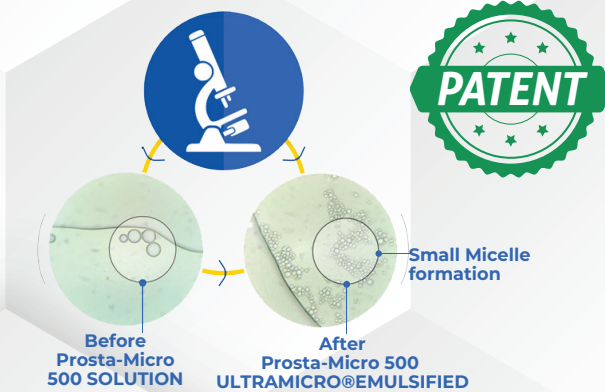
PHARMILANO S.R.L Via Carlo Poma no. 32. Milano, Italy

www.pharmilano.it



ULTRAMICRO® EMULSION
Unique Serenoa-based product,
ULTRAMICROEMULSIONED → PLUS:
- Greater absorption at the same dosage
- Fast effect → quick action
- Can be taken without water

ULTRAMICRO®
technology



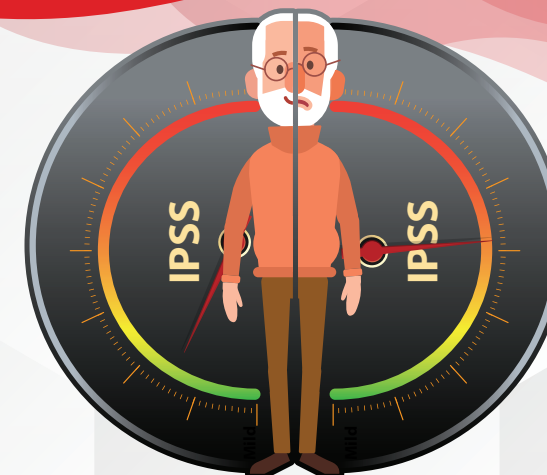
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 Made in Italy

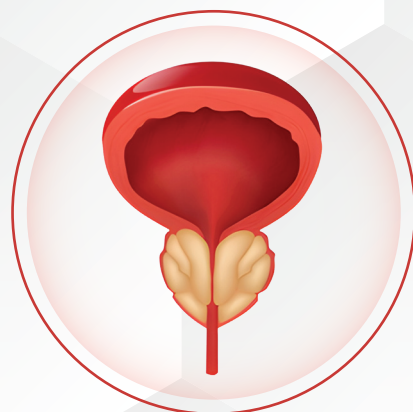
20 Stick Pack sachets



Prosta-Micro

THE UNIQUE ITALIAN PATENTED FORMULATION WITH 500mg of actives for Prostate wellbeing.

Benign prostatic hyperplasia (BPH) is a noncancerous growth of the prostate. BPH commonly occurs in elderly men. Lower urinary tract symptoms (LUTS) secondary to BPH (LUTS/BPH) have significant impacts on their health.



3 Actives with indication in the BPH and Prostatitis:

1-Serenoa repens lipid sterolic extract:

LIPID-STEROLIC EXTRACT is high in fatty acids and plant sterols, 85% FATTY ACIDS(lauric acid, myristic acid, PHYTOSTEROLS, beta-sitosterol).

Saw palmetto (Serenoa repens) extract has been evaluated for its effectiveness in the improvement of LUTS/BPH at preclinical and clinical levels, by several mechanisms of action:

- o Anti-androgenic activity: Inhibits the activity of both type 1 and type 2 isoforms of 5 α -reductase (the enzyme that converts testosterone into DHT), without interfering with prostate-specific antigen expression. It also inhibits binding of DHT to cytosolic androgen receptors.
- o Anti-inflammatory activity: S.repens inhibits inflammatory cells and a range of inflammatory mediators and proteins, and was associated with down-regulation of genes that code markers of inflammation.
- o Anti-proliferative activity: Inhibits cell proliferation, and induces apoptosis.

Day performance reduction due to frequent night awakening

42%

Social life influenced by symptoms

47%

Sexual performance reduction

66%

Lipid sterolic extract of *S. repens* is the only extract that is approved for use under EMA well-established use criteria. European Association of Urology guidelines state that *Serenoa repens* extracts significantly reduce nocturia in comparison with placebo.

The PERMAL randomized study reported slight superiority of *Serenoa repens* lipidosterolic extract over tamsulosin 0.4 mg/day in reducing LUTS in severe BPH patients after 3 months and up to 12 months of treatment.

2- Pygeum Africanum:

Mentioned in the 2016 guideline of the European Association of Urology

Is made from the bark of the African plumb tree that has been used for many years to treat enlarged prostate. Pygeum remains one of the most research-supported herbal remedies for BPH.

Pygeum contains chemicals that inhibit the prostate gland growth factors and help shrink the prostate in males with enlarged prostates. This might relieve urinary problems such as poor urine flow and nighttime urination.

3- Epilobium:

In 2015, the European Medicines Agency (EMA) and the Herbal Medicinal Products Committee (HMPC) concluded that, on the basis of its long-standing use in all European Union countries, *Epilobium* can be used in the treatment of patients with benign prostatic hyperplasia (BPH) to relieve lower urinary tract symptoms such as difficulty urinating or frequent urination.

E. angustifolium extracts and their active components, mainly the ellagitannin oenothelin B, exert beneficial effects on prostate health through a complex mechanism of action involving the regulation of androgen levels, inhibition of prostate-specific antigen (PSA) synthesis, and anti-proliferative and pro-apoptotic activities.

In a study, 128 adult men, randomly assigned to receive either *E. angustifolium* extracts(EAE) food supplement (N=70) or placebo (N=58), who underwent four visits (baseline=t0, after 15 days=t1, after 2 months =t2 and after 6 months=t3) in an outpatient setting to evaluate post-void residual (PVR) and prostate volume (PV) by means of prostate ultrasound, prostate-specific antigen (PSA) and neutrofile/lymphocyte ratio (N/L), nocturia before the clinical visits and International Prostate Specific Score (IPSS) registered by the physicians. EAE food supplement induced a significant decrease in the PVR and consequently nocturia improving the quality of life as suggested by the decrease of IPSS. No subjects reported adverse effects related to oral intake of EAE food supplement.



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