



PROPRIETARY COMBO TO
MAINTAIN PROSTATE AND
URINARY HEALTH¹⁻¹⁰

plasys 300[®]

First brand with triple
benefits to keep men's
health in check¹⁻¹⁰

PHARM Δ CTIVE
BIOTECH PRODUCTS

Features

- Standardized to $\geq 50\%$ phytosterols (as β -sitosterol) by GC and $\geq 1\%$ essential amino acids by HPLC.
- Controlled process and traceability.
- Made in Spain.
- Halal, Kosher and Doping-free certified.

Frequent urination during nights negatively affects health-related quality of life and sleep quality¹⁶

+40% of men over 50 years old present histological evidence of prostate enlargement/BPH. This proportion increases to about 90% in men over 80 years old¹¹



Bioactive compounds

Plasys300[®] is standardized to $\geq 50\%$ phytosterols (as β -sitosterol) by GC and to $\geq 1\%$ essential amino acids by HPLC.

β -sitosterol is a phytosterol that has clinical evidence as an inhibitor of testosterone production^{1,3,4}. Essential amino acids from rye pollen have a potent antioxidant effect and have been related to anti-inflammatory properties, as well as clinical evidence for palliating benign prostate hyperplasia symptoms (such as nocturia, urine frequency, bladder emptying and hyperplasia)^{2,5-10,12,13}.

Plasys300[®] reduces urinary discomfort

Bioactive compounds present in **Plasys300[®]** have shown clinical and animal evidence reducing the following urinary symptoms:

- Urinary urgency⁶.
- Urinary frequency and nocturia (frequent nighttime urination)^{5,11}.
- Urinary leakage^{6,7,9,14}.
- Sensation of residual urine^{3,14}.

Differentiated value

- Unique proprietary combo of cereal pollen and pine tree extracts.
- Triple benefit in one solution: urinary symptoms improvement, prostate enlargement inhibition and prostate inflammation reduction¹⁻¹⁰.
- Unique ingredient assessing anti-proliferative effect of prostate precancerous cells at lower time and dose than other plant extracts, *in vitro*¹⁰.
- Lowest dose to get triple effect evoding the use of multiple ingredients and high doses.
- Especially designed for men's healthy ageing demands.

Plasys300® helps maintain prostate healthy size

Inhibits cell proliferation.

Phytosterols from **Plasys300®** had an anti-proliferative effect on precancerous human prostatic cells at lower time and dose than other plant extracts, *in vitro*¹⁰.

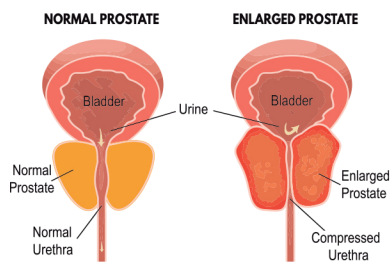
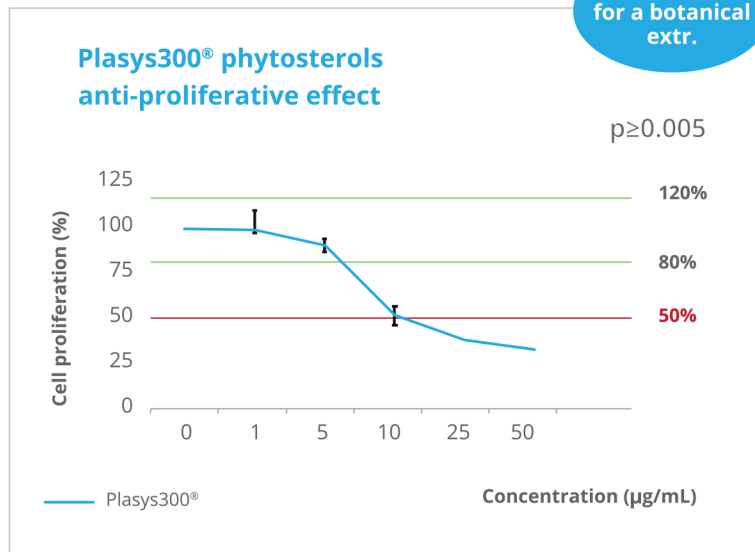


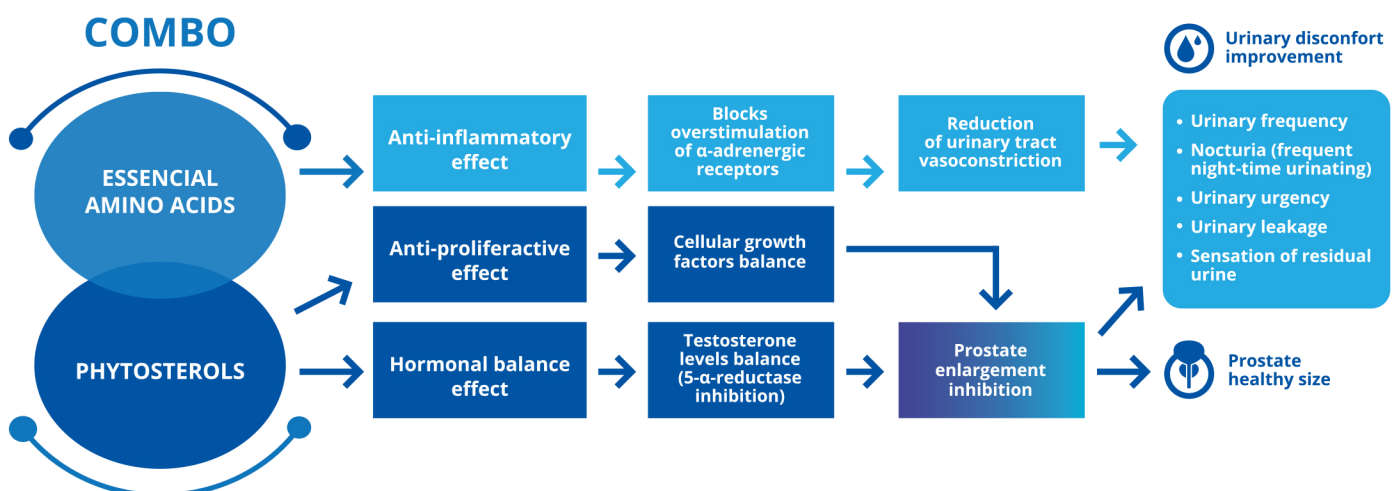
Figure 1: Plasys300® phytosterols anti-proliferative assay on precancerous (hyperplastic) human prostatic cells.



Main mechanism of action

Plasys300® acts mainly at three levels in a synergic way:

1. It **inhibits** one of the enzymes responsible for **testosterone production** (5- α -reductase), decreasing its concentration in the prostate and **balancing cellular growth factors levels** (such as SDGF* and EDGF**) typically altered in an enlarged prostate or BPH.
2. It **blocks** the overstimulation of **α -adrenergic receptors** at the prostate, reducing the urinary tract vasoconstriction as well as the urinary discomfort symptoms^{11,12}.
3. It has an **anti-proliferative** effect at the prostatic cells that helps prevent prostate enlargement¹⁰.



*SDGF "Stromally Derived Growth Factor"

**EDGF "Epidermal Derived Growth Factor"

References

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Botanical info

Botanical name: *Pinus spp* (tree bark) and *Secale cereale* (pollen).

Recommended daily dose

300 mg/day.

Other info

Shelf life: Two years*.

Non-GMO. Non-Irradiated.

Water-soluble.

Multiple applications.



*When stored at room temperature, sheltered from light and moisture.

Contact us

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