

UTI MANAGEMENT

 **indena**[®]
INDUSTRIA
DERIVATI
NATURALI

NUTRACEUTICAL

ANTHOCRAN[®] INDENA PHYTOSOME[™] STANDARDIZED CRANBERRY EXTRACT

ANTHOCRAN[®]
phytosome

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WHAT IS ANTHOCRAN® INDENA PHYTOSOME™?

ANTHOCRAN® INDENA PHYTOSOME™ is the innovative delivery system **cranberry** (*Vaccinium macrocarpon* Ait.) **extract** formulated with PHYTOSOME™ technology to optimize its bioabsorption and health benefits.

SPECIFICATIONS

ANTHOCRAN® INDENA PHYTOSOME™ is

standardized to provide

6-9% of proanthocyanidins (PACs) by spectrophotometry (DMAC method).

SCIENTIFIC EVIDENCE

ANTHOCRAN® INDENA PHYTOSOME™ is supported by **two human and one *in vitro* studies** confirming its efficacy in **urinary tract health**.

RECOMMENDED USE AND DOSE

ANTHOCRAN® INDENA PHYTOSOME™ is a dark purple powder for use in nutritional supplements.

Recommended dose: 120 mg/day

TRADEMARKS

ANTHOCRAN® INDENA PHYTOSOME™ is a trademark of Indena S.p.A. and its logo and usage guidelines are available from Indena.

References

¹ Baron, G., et al., *Biochemical pharmacology* 173 (2020): 113726.

² Cotellese, R., et al., *Journal of Dietary Supplements* (2021): 1-13. 18.

³ Bresciani, L., et al., *Food Research International* 141 (2021): 110137.

WHAT MAKES ANTHOCRAN® INDENA PHYTOSOME™ UNIQUE?

ANTHOCRAN® INDENA PHYTOSOME™ contains not only PACs, but maintains the **full bouquet of polyphenols contained in natural cranberry juice**, acknowledged for its benefits in urinary health.

ANTHOCRAN® INDENA PHYTOSOME™ is supported by an **extensive full characterization of its pharmacokinetic profile in human urines**, which are the proper target of *V. macrocarpon* ingredients effective in urinary health:¹

- **PACs were not detected in urines**, in line with other scientific papers;
- **New metabolites firstly described in human urines (i.e. valerolactones) were detected;**
- **Despite the lower content of PACs, urines fractions rich in this new metabolites were the most active against *Candida albicans* adhesion and biofilm formation: delivering 9 mg of PACs, the innovative formulation was bioequivalent to unformulated cranberry extract (containing 36 mg of PACs) in inhibiting the bacterial proliferation**, proving the favorable effect of PHYTOSOME™ technology on phytoactives absorption.

Two recent findings proven **ANTHOCRAN® INDENA PHYTOSOME™**:

- **effective in reducing symptoms and recurrence of UTIs despite the lower PACs content compared to other market formulations;**²
- **effective in preserving the physiological intestinal microbiota, retaining the physiological degradation of polyphenols during intestinal microbial metabolism and the formation of colonic biologically active metabolites.**³

All together the above findings provide **new and innovative insights on cranberry extracts, endorsing these new metabolites instead of PACs as the true responsible for cranberry support to urinary health** instead of intact PACs as assumed so far.

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