D-Mannose & ultraconcentrated cranberry 107:1

TRIPLE ACTION for the SIDE EFFECT—FREE RELIEF FROM URINARY TRACT INFECTIONS



supplement 50 g

3



- Exclusive information for health-care professionals-

D-Manocist D-Mannose & ultraconcentrated cranberry 107:1

Considerations of urinary tract infection (UTI)

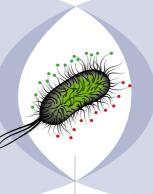
- » Cystitis, urinary bladder infection.
- Almost 4 million women between 20-44 years of age suffer UTI during » their lifetime.
- 1 in 5 women suffer from a recurring cystitis.
- Escherichia coli is the main bacteria responsible for 90-95% of the UTI » cases. Its virulence is related to the presence of FIMBRIAE.

Fimbriaes, bacterial virulence

Fimbriae are a protein structure that adhere to the epithelium of the urinary bladder to initiate the infection.

There are 2 main types:

- Type-1 fimbriae -SENSITIVE TO D-MANNOSE **RESISTANT TO TYPE A PAC'S**



E.Coli

D-Mannose and UTI 1,2,3

Naturally occurring sugar that reaches the origin of the infection directly, without metabolizing, and preventing type-1 fimbriated *E.Coli* from adhering to epithelial cells in the bladder, so that the bacteria are quickly excreted with the urine.

Cranberry and UTI 3,4,5

Type-A proanthocyanidins (PAC's A) are the main active compounds inhibiting the adherence of type P-fimbriated E.Coli to uroepithetical cells, thus avoiding its colonization.

- Type P fimbriae -

SENSITIVE TO TYPE-A PAC'S

IN CRANBERRY

RESISTANT TO D-MANNOSE

Prohintics and UTI 6,7,8,9

Lactobacilli are predominant in the vaginal ecosystem and the rectum, which indirectly acts as a reservoir for the vaginal lactobacilli. Their protective role is focused on:

- Interference in the adherence of the uropathogens to the vaginal epithelium.
- » Production of antimicrobial compounds (organic acids,

hydrogen peroxide and bacteriocins) which also create a vaginal acidity environment (pH 4-4,5) that impedes the establishment of pathogens,

which are sensitive to acidity.

- » Co-aggregation of pathogens to maximize the antimicrobial effect.
- Enhancing immune response by Lactobacillus strains.

Fights infection

Complete formula with:

- » 4 800 mg of D-Mannose.
- 600 mg of Cranberry 107:1.

*per service

Avoids relapses

- » reservoir of future infections.
- of the pathogens.

Reinforces the immune system

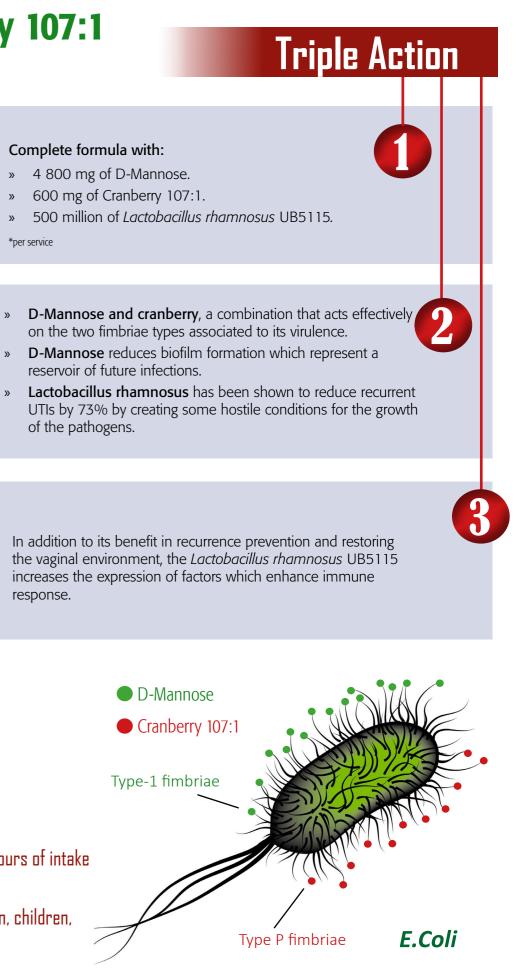
response.

More benefits

FAST-ACTING

Symptoms improve within 24 hours of intake WIDE SECURITY PROFILE

May be given to pregnant women, children, and diabetics



D-Manocist

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Highlights:

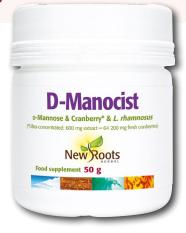
- » Unique combination with 4 800 mg of D-Mannose, 600 mg of the most powerful cranberry extract on the market (107:1) and 500 million of *Lactobacillus rhamnosus* UB5115 per service.
- » Triple anti-adherent effect to prevent adhesion of *E. Coli* to the urothelium.
- » Fast-acting within 24 h.
- » Contains probiotics to prevent new infections (resistant to stomach acids).



D-Manocist

Ingredients: D-Mannose, cranberry fruit extract (Vaccinium macrocarpon), Lactobacillus rhamnosus UB5115.

Nutritional information:	2 scoops (5,4 g)
D-Mannose	4 800 mg
Cranberry (107:1)	600 mg
Lactobacillus rhamnosus	500 million CFU



Indications and uses:

• Prevention and treatment of lower urinary tract infections and recurring cystitits.

Recommended daily dose:

Acute episodes: Mix 2 scoops (approx. 5,4 g) in water or juice twice daily for two days, then 2 scoops (approx. 5,4 g) in water or juice once daily.

Prevention: Stop intake for a week. Then mix 2 scoops (5,4 g aprox) in water or juice once daily until the container is empty.

References:

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