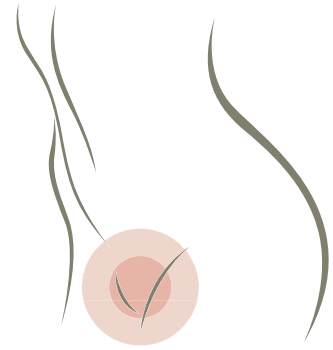




medical devices



# VAGINAL MEDICAL DEVICE



NUTRILINEA



# VAGINAL MEDICAL DEVICE



## what is the use of the product?

Urogenital infections are one of the most common causes for a woman to visit a gynecologist or a urologist. It has been estimated that one billion women around the world suffer from infections such as nonsexually transmitted urogenital infections, which include bacterial vaginosis, urinary tract infection, and yeast vaginitis.

## mechanism of action

Lactobacilli acidophilus are normally present in the vaginal flora. The most important feature is the ability to metabolize the glycogen present in the vaginal transudate producing lactic acid. The result is a decrease in pH (< 4.5): the acidity of the vaginal environment is an important defence against attacks by pathogens. The vaginal acidity is the main defence weapon in maintaining the well-being of the vaginal ecosystem; in fact, in addition to preserving the integrity, elasticity and resistance of the mucous membranes, it is a factor of primary importance in maintaining microbial ecosystem within normal limits because it makes difficult the establishment and proliferation of potentially pathogenic bacteria.

The inhibition mechanism of pathogenic bacterial flora, resulting in colonization of Lactobacilli, seems to be due to steric hindrance of lactobacilli themselves at the receptors or to a specific receptor blockade. In addition, lactobacilli can co-aggregate with pathogens by blocking adhesion or displacing the adhesion of pathogens to vaginal epithelial cells. Furthermore, Lactobacillus species act on the surface layer of the vaginal mucosa as a barrier that helps to prevent infection and thus to protect and maintain the integrity of the mucosal surface allowing to alleviate symptoms.

## choose of strains

Strains engaged in this formulation was in vitro tested against different types of pathogens with great results.

## intended use

Useful in the treatment of uro-vaginal infections and the prevention of their recurrence.



## formulation

Capsules for vaginal use (fast release)

### REFERENCES

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