

# SPRAY WITH LACTOBACILLI "LACTOSPRAY", 30 ML

Oral and Nasal Hygiene  
[lactospray.ru](http://lactospray.ru)



## Description:

Spray with lactobacilli "LACTOSPRAY" - a means for hygiene of the oral cavity and nose, contains a culture of live lactobacilli. The tool promotes the formation of biofilms from lactobacilli on the mucous membranes of the upper respiratory tract and increases the local immunity of the upper respiratory tract and the general immunity of the body.

Lactobacillus - lactic acid bacteria, have the greatest physiological significance in the biocenosis of the microflora of the oral cavity. The active life of lactic acid microorganisms creates an environment favorable for the development of normal microflora. Due to the formation of a large amount of lactic acid during the life of lactobacilli, they inhibit the growth (are antagonists) of other microorganisms: staphylococci, Escherichia coli, dysenteric rods, and viruses. Lactobacilli are non-pathogenic microorganisms and therefore do not cause disease.

LACTOSPRAY is used for the prevention of acute respiratory viral infections (acute respiratory viral infections: influenza, etc.), acute respiratory infections (acute respiratory infections). Also, the tool is used to prevent bacterial infections.

## Composition:

- Effective microorganisms (EM) of live strains of Lactobacillus acidophilus, Lactobacillus helveticus, Lactococcus lactis, Streptococcus thermophilus, Propionibacterium freudenreichii ssp. shermanii - 1x10<sup>9</sup> CFU / ml;

- bacteria metabolism products;
- plant monosaccharides;
- water (filler);

- pH of the medium - 4.5-5.0

## Main technical specifications

Spray with lactobacilli "LACTOSPRAY" is a liquid from light white to light yellow in color, with a specific faint sour smell. Precipitation is allowed.

## Release form:

Available in packs of 30 ml in bottles of glass or polymeric materials. The bottles are equipped with a metering device with a spray tip and caps made of polymeric materials.

Each of the bottles is packed in a cardboard box with instructions for use.

## Contraindications for use:

Not recommended in case of individual intolerance to the components. It is not recommended for people with a very low immune status, as well as for people with severe concomitant diseases. Do not use after expiration date.

## Storage conditions:

Store at a temperature of +4 to + 25 ° C

## Shelf life:

24 months.

## Declaration of Conformity:

Registration number: EAEU N RU Д-РУ.ПХ01.В.11748 / 20 dated 01.04.2020, TP TC 009/2011

## Manufacturer:

Russia, LLC "INBIO LAB"

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## Indications for use:

Means "LACTOSPRAY" is used

- for oral and nose hygiene;
- for the prevention of acute respiratory viral infections (acute respiratory viral infections: influenza, etc.);
- for the prevention of acute respiratory infections (acute respiratory infections);
- for the prevention of bacterial infections of the oral cavity and nasopharynx;
- with frequent contact with sick people;
- in the autumn-spring period;

## Mechanism of action:

The main mechanism of action of LACTOSPRAY is the formation of a biofilm from lactobacilli on the mucous membranes of the upper respiratory tract, the protection of epithelial cells and their receptors from the introduction of viruses and pathogenic bacteria. Lactobacilli ferment carbohydrates with the formation of lactic acid, lowering the pH of the medium, which inhibits the growth of pathogenic, putrefactive and gas-forming microflora of the oral and nasopharyngeal regions.

The active life of lactobacilli creates a favorable environment for the development of normal microflora. The antagonistic activity of normal microflora with respect to pathogenic and opportunistic bacteria and viruses is manifested due to the synthesis of bactericidal substances (nisin, diplococcin, acidophilus, lactocidin, lactolin, log, mucin, etc.), metabolites with antibiotic activity (hydrogen peroxide, etc.), organic acids.

Due to the normal microflora, endogenous synthesis of biologically active compounds (volatile fatty acids, defensins, hormones, neuropeptides, B vitamins, PP, K, C vitamins) takes place, the synthesis and absorption of vitamins D and E, folic and nicotinic acids received in the body improve food.

The antiviral effects of lactobacilli can be realized in various ways. Lactobacilli can directly bind to the virus and prevent its attachment to the mucous membrane. Lactobacilli contribute to the regeneration of the mucous membranes: intestinal mucin inhibits the reproduction of viruses. The antiviral effect of lactobacilli is associated with their ability to produce antimicrobial peptides, dehydrogenases, NO. The ability of lactobacilli to modulate the functions of epithelial cells, dendritic cells, CD4<sup>+</sup>, CD8<sup>+</sup> lymphocytes, NK cells has been shown.

## Interaction with other drugs:

It is not recommended to be used simultaneously with taking antibiotics, as well as with drugs that inhibit the growth and development of microorganisms.

## Dosage and administration:

Spray with lactobacilli "LACTOSPRAY" is used in 2-3 doses in each nasal passage and oral cavity 3 times a day, after meals or in between meals. Duration of use is at least 7 days.

In the autumn-spring periods, periods of acute respiratory infections, SARS: the multiplicity should be increased to 6 times a day. One dose is one metered injection using a nebulizer.

Shake the bottle before use to mix the components uniformly. Remove the protective cap from the bottle. After applying the spray to the mucous membrane, it is advisable not to swallow the saliva for as long as possible.