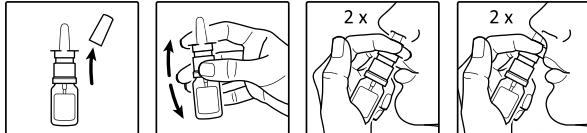


BioBlock®

Nasal spray with antibodies against SARS-CoV-2

BioBlock® is a natural product derived from bovine colostrum that has been produced by cows, who had been hyperimmunized with the SARS-CoV-2 viral spike protein.

Bovine colostrum is a milk produced by cows within the first few days after giving birth. It contains antibodies that provide passive immunity to the newborn calf.



Product and its use

BioBlock® nasal spray is a natural product that contains antibodies against SARS-CoV-2 along with naturally occurring beneficial antibodies in colostrum which humans benefit daily while consuming dairy and meat products. *In vitro* testings demonstrated that the product blocks the entry of viral particles into cells. Tests were performed against initial Wuhan and newly mutated SARS-CoV-2 variants (UK B.1.1.7, South African B.1.351, Brazil P.1, Indian (Delta B.1.617.2, Kappa B.1.617.1)) and Omicron (B.1.1.529).

BioBlock® can be used wherever it is difficult to distance from others: at home, at work, at school, in gyms, in public transportation and in crowded places. This natural product does not cause dryness of nasal mucous membrane.

BioBlock® is not a medicine.

Usage

2 sprays into each nostril, 3-4 times a day, and before and after visiting crowded places. After blowing the nose, it is recommended to use the spray again.

BioBlock® is effective on the nasal mucosa up to 4 hours.

The product contains 150 spray doses.

Daily dosage

9 – 12 sprays, contains 0,9 – 1,2 ml of bovine colostrum antibody solution.

Ingredients

- Purified water
- Bovine colostrum derived SARS-CoV-2 antibodies (0.2 mg/ml)
- Phosphate buffer: DPBS (without Ca and Mg salts)
- Viscosity enhancing compounds: PEG400, PVP K30
- Preservative: sodium benzoate
- Acidity regulator: citric acid
- Mucous membrane moisturizing compound: glycerol
- Potassium chloride – buffer component
- Potassium dihydrogen phosphate – buffer component
- Sodium chloride – buffer component
- Disodium phosphate – buffer component

Product does not contain lactose.



Store at room temperature. After first usage utilize within 3 months. Best before presented on the package.

Warnings and precautions

Do not use if allergic to milk proteins or to any of the other ingredients in this product (especially under 6 y/o children). If pregnant, breast-feeding or before using the product for and by children, contact your healthcare professional. Do not exceed the stated daily dose. Keep this product out of reach of children.

Net quantity

BioBlock® contains 15 ml of solution.

BioBlock® conception and development is made in collaboration with partners:

- University of Tartu (Institute of Technology, Institute of Pharmacy, Institute of Biomedicine and Translational Medicine)
- Institute of Veterinary Medicine and Animal Sciences of the Estonian University of Life Sciences
- OÜ Teadus ja Tegu
- Icosagen Cell Factory OÜ
- AS Chemi-Pharm

Patent

A USPTO patent application (No. 63/160,833) has been submitted by the product developers.

Manufacturer

AS Chemi-Pharm
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