

## Frequently Asked Questions

### What is NanoBio Protect?

NanoBio Protect is an alcohol-free, FDA over-the-counter (OTC) nasal antiseptic solution that can be used to help reduce germs on skin in and around the nose that could cause infections. It is simple to apply with any standard cotton swab. NanoBio Protect is non-irritating, fragrance-free and leaves no residue after application.

### How is NanoBio Protect used?

The product is applied by thoroughly swabbing the skin outside the nostrils and up to ½ inch inside of each nostril and is recommended for use to help reduce germs on the skin in and around the nose that can cause infections. It should be used in conjunction with frequent handwashing, limited touching of the face, and social distancing to help minimize infection. It is not intended to replace the need for facemasks but can serve as a second line of protection to exposure in the nasal passages.

### How does NanoBio Protect work?

NanoBio Protect is similar in concept to a hand sanitizer but is designed for use on the skin inside and around the nose where germs frequently enter the body. The product is alcohol-free and is nonirritating.

The effectiveness of NanoBio Protect is derived from BlueWillow's patented nanotechnology. NanoBio Protect's active ingredient is benzalkonium chloride (BZK), a common skin antiseptic that has been used in humans for more than 75 years. This proprietary formulation integrates BZK onto the surface of nano-droplets, providing significant advantages in comparison to other skin antiseptics.

In lab tests, NanoBio Protect has demonstrated the ability to kill 99.99% of germs tested.

### Does NanoBio Protect kill COVID-19?

*In vitro* lab studies conducted by Public Health England demonstrated NanoBio Protect's ability to kill COVID-19. Human clinical studies have not yet been conducted. For additional information, please review BlueWillow's [press release announcing](#) the lab data.

### Do I still need to wear a face mask?

Yes. NanoBio Protect is not intended to replace the need for facemasks but can serve as a secondary protection to exposure in the nasal passages.

### Do I need a prescription to buy NanoBio Protect?

No. A prescription is not required. NanoBio Protect is an over-the-counter product. You can purchase it on DQE's website: [www.DqeReady.com/NanoBioProtect](http://www.DqeReady.com/NanoBioProtect).

### What testing has been done to demonstrate safety?

NanoBio Protect and similar NanoBio formulations have been tested extensively in animal and human studies involving topical application to skin. These studies demonstrate conclusively that topical NanoBio products are non-irritating and are not absorbed systemically. The products are alcohol-free and are comprised of nanodroplets that have been optimized to provide significant advantages when used as topical antiseptic products, without being absorbed through the skin and into the bloodstream.

NanoBio Protect's active ingredient is 0.13% benzalkonium chloride, which is a well-known skin antiseptic that has been used in humans for over 75 years. Unlike typical alcohol-based products, NanoBio Protect does not irritate or dry out the skin, and instead provides a moisturizing and comforting experience.

### **Is NanoBio Protect a vaccine?**

No. NanoBio Protect can help protect against germs that cause infection like the way that hand sanitizers provide protection.

### **How many doses of NanoBio Protect are in a bottle?**

Each bottle of NanoBio Protect includes 0.6 ounces of solution providing at least 40 treatments. Each treatment includes application to both nostrils.

### **If I use NanoBio Protect do I still need to wash my hands?**

Yes. It is recommended that NanoBio Protect be used in conjunction with frequent handwashing as well as limited touching of the face, and social distancing.

### **What is the active ingredient in NanoBio Protect?**

Benzalkonium chloride is the active ingredient in NanoBio Protect. Commonly referred to as BZK, benzalkonium chloride has been used as a skin antiseptic for more than 75 years.

### **How do I apply NanoBio Protect?**

When applying the product, use a new, clean cotton swab for each nostril. Apply around the rim of the nostrils and up to ½ inch inside each nostril. Additional directions for use are included on the product packaging.

### **How long does NanoBio Protect last?**

NanoBio Protect persists on the skin for 4+ hours, enabling long-lasting effectiveness. It should be applied every 4-8 hours as needed, and used in conjunction with hand washing, social distancing, and other recommended measures to help reduce the risk of infection.

### **How does NanoBio Protect differ from alcohol-based sanitizers?**

There are some significant differences between NanoBio Protect and alcohol-based sanitizers. Because NanoBio Protect is alcohol-free, it does not burn or sting your skin. In addition, it is fragrance-free and avoids any risk associated with breathing in alcohol vapors. Finally, it moisturizes skin which prevents drying and cracking that can allow germs to enter. As a result, it is very comforting and soothing to apply.

NanoBio Protect places the common antiseptic benzalkonium chloride (BZK) on the surface of patented nanodroplets to present the BZK in such a way to optimize its ability to kill germs. In lab tests, NanoBio Protect kills over 99.99% of all germs tested, including MRSA and a broad spectrum of bacteria as well as enveloped viruses such as influenza, COVID-19 and human coronavirus. Lab studies have recently demonstrated that NanoBio Protect persists on skin and protects against infection for at least 8 hours, whereas other antiseptic products containing BZK or alcohol rapidly lose their effectiveness following application.

### **Additional Safety Information**

Do not use in or near the eyes. In case of contact, rinse eyes thoroughly with water. Stop use and ask a doctor if irritation, rash, or other allergic reaction occurs. Keep out of reach of children. If swallowed, get medical help, or contact a Poison Control Center right away.