



Transnasal Device Technology

Pathogen Defense Through Nasal Protection

Executive Summary

Our patent-pending Transnasal Device offers a breakthrough approach to respiratory health protection, providing a non-invasive method to reduce infection risks through targeted defense at one of the body's primary pathogen entry points—the nasal passages. This innovative device applies proven antimicrobial properties to help neutralize pathogens before they can infiltrate the respiratory system.

Technology Overview

The device employs a user-friendly design that effectively targets pathogens in the nasal passages while maintaining comfortable breathing. This non-invasive solution integrates seamlessly into daily protective routines, offering value in high-risk environments and settings where respiratory protection is crucial.

Key Applications

- **Healthcare Settings**
 - Medical personnel protection
 - Patient safety enhancement
 - Hospital infection control
 - Clinical environment safety
- **High-Risk Environments**
 - Travel protection
 - Crowded spaces
 - Public transportation
 - Educational facilities
- **Personal Protection**
 - Daily preventive care
 - Seasonal protection
 - Occupational safety
 - Travel safety

Technical Innovation

The technology provides unique advantages through:

- Targeted pathogen neutralization
- Non-invasive application
- Maintained breathing comfort
- Extended protection period
- Easy integration into routines

Market Opportunity

Addresses critical needs in:

- Healthcare worker protection
- Patient safety
- Public health
- Personal protection
- Occupational safety

Commercial Benefits

- **Implementation Advantages**
 - Simple user training
 - Easy adoption process
 - Minimal infrastructure needs
 - Quick deployment
- **Product Features**
 - Non-invasive design
 - Proven antimicrobial properties
 - User-friendly application
 - Consistent effectiveness
- **Market Protection**
 - Patent pending status
 - Novel approach
 - Clear IP position
 - Development potential

Implementation

Multiple deployment pathways including:

- Healthcare systems
- Clinical settings
- Industrial applications
- Consumer markets

Development Status

- **Current Stage**
 - Patent pending
 - Design optimized
 - Ready for partnerships
 - Clear regulatory pathway
- **Next Steps**
 - Clinical validation
 - Market preparation
 - Manufacturing scale-up
 - Distribution planning

Contact Information

For licensing opportunities and technical discussions:

Email: info@callixresearch.com

Patent Status: Patent Pending