



Neuro-Olfactory Technology

Innovative Prevention of Odor-Triggered Conditions

Executive Summary

Our patented Neuro-Olfactory Technology provides a breakthrough solution for preventing odor-triggered conditions through an innovative nasal spray delivery system. This preservative-free formulation creates a non-toxic barrier within nasal passages, effectively blocking triggering compounds while maintaining natural breathing patterns.

Technology Overview

The technology utilizes a proprietary aerosolized nasal spray that forms a protective barrier, preventing odorous compounds from reaching sensitive neural receptors. Based on Generally Recognized as Safe (GRAS) ingredients, this preservative-free solution offers significant potential for both over-the-counter and prescription applications.

Primary Applications

- **Migraine Prevention**
 - Blocks odor-triggered headaches
 - Rapid onset protection
 - Preventive intervention
 - Maintained effectiveness
- **Nausea Management**
 - Pregnancy-related symptoms
 - Environmental sensitivity
 - Chemotherapy-induced nausea
- **Future Applications**
 - Appetite control
 - Weight management
 - Food aversion therapy

Technical Innovation

The technology provides unique advantages through:

- Non-toxic barrier formation
- Customizable odor blocking
- Preserved breathing function
- Natural ingredient profile
- Preservative-free formulation

Market Opportunity

Addresses significant unmet needs in:

- Migraine prevention
- Pregnancy care
- Chemotherapy support
- Weight management

Commercial Benefits

- **Regulatory Flexibility**
 - OTC potential
 - Prescription applications
 - Medical device classification
 - Multiple market paths
- **Product Advantages**
 - Natural formulation
 - Preservative-free
 - Easy application
 - Rapid action
- **Market Protection**
 - U.S. Patent No. 10,350,233
 - International protection
 - Clear IP position
 - Development runway

Implementation

The technology offers multiple commercialization paths:

- Over-the-counter products
- Prescription medications
- Specialty applications
- Consumer health products

Development Status

- **Current Stage**
 - Patent granted
 - Formula optimized
 - Safety established
 - Ready for partnerships
- **Next Steps**
 - Clinical validation
 - Market preparation
 - Partner engagement
 - Regulatory pathway

Contact Information

For licensing opportunities and technical discussions:

Email: info@callixresearch.com

Patent Status: U.S. Patent No. [10,350,233](#)