



## **New Study Finds UVZone® Shoe Disinfection Technology Highly Effective Against Salmonella, Cronobacter, and Listeria**



St Petersburg, FL – A July 2022 study testing the efficacy of PathO<sub>3</sub>Gen Solutions UVZone multi-patented UVC + ozone technology concluded the **UVZone Shoe Sanitizing Station inactivated, on average:**

- **99.998% of Salmonella (4.81-Log10) in 6 seconds**
- **99.991% Cronobacter (4.04 Log10) in 6 seconds**
- **99.994% Listeria (4.21-Log10) in 8 seconds**

The study, performed by Microchem Laboratory in Round Rock, TX, used ASTM E1153 test method, a benchmark method for non-food contact surface sanitizers recognized by several regulatory agencies as an approved method for claim substantiation.

According to the Centers for Disease Control and Prevention (CDC), an estimated 1.4 million cases of salmonella occur every year in the United States, with 26,500 hospitalization and 420 deaths. An estimated 1,600 people get listeriosis each year, and about 260 die. Exposure to cronobacter is rare but can be deadly as well.

Innovative new technologies and improved processes for pathogen intervention from farm to packaging have never been more important.

The UVZone Shoe Sanitizing Station utilizes UV-C light and ozone to destroy pathogens on shoe soles before they can enter critical areas; providing additional bio-exclusion, bio-containment, and bio-management support to production and processing facilities.

### **About the UVZone® Shoe Sanitizing Station**

The UVZone Shoe Sanitizing Station is an innovative multi-patented disinfection technology delivering the combined power of UV-C light and ozone utilizing Corning® HPFS® Fused Silica glass windows. It has been proven to eliminate up to 99.999% of the most harmful pathogenic microorganisms including spore-forming and non-spore-forming bacteria, and encapsulated and non-encapsulated viruses from shoe soles in ≤ 8 seconds. The UVZone Shoe Sanitizing Station is NSF International tested, TÜV SÜD Certified, EPA Registered, and manufactured in an ISO 9001-2015 facility in the USA.

### **About PathO<sub>3</sub>Gen Solutions**

PathO<sub>3</sub>Gen Solutions ([www.patho3gen.com](http://www.patho3gen.com)) is a privately held Florida-based company holding multiple patents on their technology and equipment. Their sole mission is to create cleaner, safer environments.