EXECUTIVE SUMMARY

MEDI-SINK

> A new technology for hospital handwashing sinks designed to completely prevent contamination from the siphon and thus prevent contamination caused by the sinks

The Challenge

> Hospital-acquired infections (HAIs) continue to pose a major challenge to patient safety worldwide. In the United States alone, millions of patients are affected each year, leading to significant morbidity, mortality, and high healthcare costs.

> In the scientific literature, drains and siphons (P-traps) of hospital sinks are increasingly being identified as environmental reservoirs for pathogenic microorganisms, including multidrug-resistant organisms (MDROs). These reservoirs can contribute to the contamination of sink surfaces, the hands and clothing of healthcare workers and patients, and the area surrounding the sink through splashing and aerosolization.
Modern designs aim to reduce, to a certain extent, the effects caused by drainage and siphon systems.

The MEDI-SINK Solution

> MEDI-SINK (medi-sink.com) is an innovative basin-air siphon system for hospitals, specifically designed to prevent contamination from entering the handwashing area from the sink's siphon.
The technology addresses the contamination pathway at its source and is intended for use in hospitals, intensive care units, operating departments, emergency departments, long-term care facilities, and other healthcare environments where infection prevention is critical.

Laboratory Validation

> Independent laboratory tests conducted under real-world conditions using a production-ready prototype have shown that:
Under the conditions tested, MEDI-SINK prevents germs from entering the handwashing area from the sink's trap.
The attached laboratory report documents the test methodology and results.

Potential Benefits

The objectives of MEDI-SINK align with ongoing national efforts to:

- Eliminating the transmission of pathogens from the trap through sinks.
- Preventing contamination of the area around sinks.
- Reducing exposure to waterborne pathogens and multidrug-resistant pathogens.
- Supporting programs for the prevention of HAIs.
- Improving staff and patient safety and the quality of healthcare.
- Reducing healthcare costs.
- Reducing overall costs associated with HAIs.
- Relevance to U.S. Healthcare Priorities

Request

> We respectfully invite your organization to review the enclosed laboratory evidence and technical information and to consider whether further scientific evaluation, pilot testing, or collaboration may be appropriate.

> We would welcome the opportunity to discuss the technology and its potential contribution to infection prevention initiatives within U.S. healthcare facilities.