



ADVANCED HYDROGEN PEROXIDE PLASMA DISINFECTION SYSTEM

For use on select non-critical and semi-critical medical devices, electronics, pediatric toys, and many more.

GloTran™
A Better Way to Destroy Pathogens



What is GloTran™?

GloTran™ is an automated high-level disinfection system that uses hydrogen peroxide gas plasma technology. It is an innovative surface disinfectant with unique features that can be applied to equipment and materials in a variety of medical and industrial settings.

GloTran™ Features and Benefits

- Cold plasma technology
- Low-temperature disinfection
- Dry process
- Fast cycle times of < 20 minutes
- Fully automated cycles
- Disinfects non-critical and semi-critical medical devices such as stethoscopes, otoscopes, etc.
- Disinfects a variety of items such as children's toys, ID badges, etc.
- Disinfects electronic items such as cell phones, tablets, PDAs, etc.

“We found GloTran™ to be quite effective at reducing generalized bacterial contamination on the surfaces of small medical devices we studied in this outpatient clinic.”

-University of Tennessee at Chattanooga Medical Staff



Why GloTran™?

Cold Plasma reduces Hospital Acquired Infections (HAIs)

GloTran™ uses cold plasma (hydrogen peroxide gas plasma) to destroy microbes and disinfect hard-to-reach surfaces that may have intricate designs and complex shapes. It provides consistent, uniform high-level disinfection of non-critical and semi-critical medical devices, commonly used clinical items, heat-sensitive items such as electronics, and many others.†

GloTran™ was designed to reduce the prevalence of HAIs caused by noninvasive portable clinical items (NPIs) and non-critical and semi-critical equipment in outpatient clinics, hospitals, dental offices, long-term care facilities or anywhere hard-to-kill pathogens present a danger.

Disinfecting non-critical and semi-critical equipment is often overlooked

HAI prevention often focuses only on high-risk, invasive diagnostic and therapeutic tools. However, the risk from non-critical and semi-critical items is well documented, but frequently underestimated, and neglected. Examples of these non-invasive portable clinical items (NPIs) include blood pressure cuffs, stethoscopes, pulse oximeters, ophthalmoscopes, otoscopes, ultrasound transducers, ID badges, and more. Additionally, dozens of electronic devices carry pathogens, such as cell phones, pagers, game controllers, and TV remote controls.

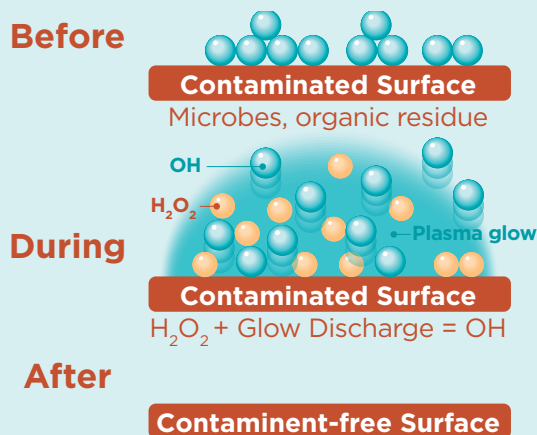
GloTran™ kills the hardest-to-kill pathogens

The cost of treating HAIs is staggering—estimated to be between \$25 to \$48 billion each year, with the hospital cost reported at over \$15,000 per affected patient. Beyond the financial cost, the terrible impact on patients and communities cannot be measured. Infections complicate treatment, prolong hospital stays, cause higher re-admission rates, results in additional surgery, cause pain and suffering, and can sometimes be fatal.

Far superior to established cleaning methods

Getting to hard-to-reach areas is almost impossible using established cleaning methods, especially disinfectant wipes. Kill rates depend on time of contact, which is inconsistent across users and circumstances. Thoroughness of reach depends on applied pressure and attention to detail. Wet wipes, mists, swabs and topical sprays can damage sensitive electronic devices and leave behind toxic residues. GloTran™ is safe, effective, and easy to use, operating on fully automated cycles to minimize error.

How GloTran™ works



GloTran™ uses electro-magnetic energy to generate active hydroxyl radicals toxic to microorganisms. This kills and removes pathogens from the surface.



**Increase Patient and Staff Safety.
Limit the Spread of Infections.**



Great testing results. Independent testing has shown the cold plasma technology's ability to destroy greater than 99.999% of pathogens and spores.

Thorough high-level disinfection. The process kills pathogens that may be hidden within cracks or hard-to-reach surfaces. It provides consistent and uniform disinfection without leaving behind any residue.

Fast and effective. Ideal for fast and convenient high-level disinfection of non-critical and semi-critical medical devices, heat sensitive electronics, pediatric toys, and many other items with cycle times less than 20 minutes.*

Easy to operate. Unlike other disinfection processes, the GloTran™ requires minimal operator input, with fully automatic cycles at the push of a button.

Environmentally friendly. GloTran™ creates no waste and is an environmentally friendly substitute for cleaning with hazardous chemicals.

Useful for data acquisition. Detailed reports about disinfection cycles are recorded by the PLC system, aiding in quality control processes.

“Our favorite feature of the GloTran™ is its ability to disinfect a variety of items in a way that reduces staff time and is effective and thorough.”†

-University of Tennessee at Chattanooga Medical Staff

GloTran™

Murphy Enterprises of Alabama, Inc.

AirPurifiersandCleaners.com

800-701-2513

Email: Support@airpurifiersandcleaners.com

* Cycle times vary depending on the porosity and composition of the items.

† List of compatible items can be provided upon request

‡ Clinical study conducted by the University at Tennessee Chattanooga at the Children's Hospital at Erlanger Kennedy Outpatient Center