

Innovation In Protection From Pathogens

Blood & Virus

Fungus

Bacteria



Path-O-Wrap®

Protect Your Patient Protect Yourself

Path-O-Wrap® Offers Innovation in Protection from Pathogens

Path-O-Wrap® is an innovative product that protects healthcare professionals and patients from blood-borne pathogens and cross-contamination. Path-O-Wrap is a thin, clear polyethylene shield that adheres to the surface of backboards, gurney mattresses, and other devices to provide a sanitary barrier, thereby preventing patient exposure to harmful pathogens. Path-O-Wrap comes in 20-count, conveniently perforated rolls so that each shield can be applied in seconds. Path-O-Wrap is a disposable and inexpensive healthcare protection solution.



***"Protect Your Patient.
Protect Yourself."***



Hospital Gurney



EMS Gurney



**EMS
Backboards**



The Need for Protection

Barrier Product

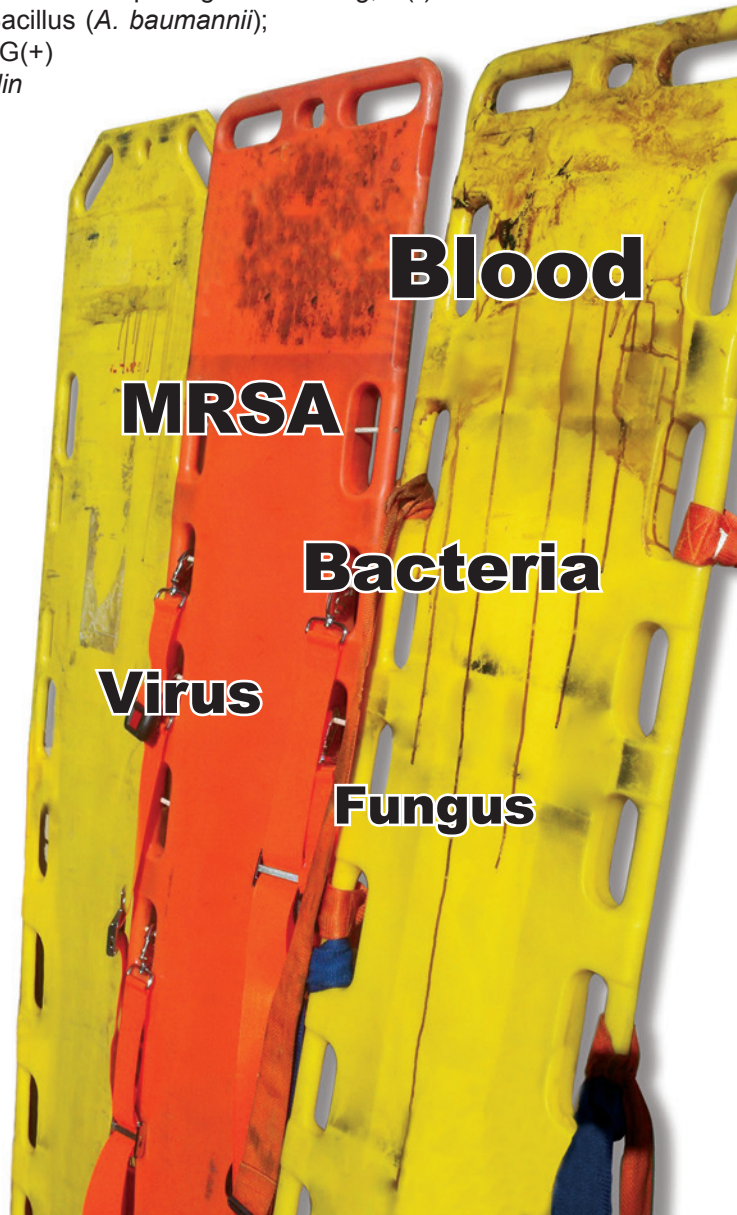
Path-O-Wrap® (*patent-pending*) was developed to provide a barrier between patients and contaminated spinal immobilization backboards, gurney mattresses, and other devices, and to protect healthcare professionals from exposure to blood-borne pathogens that remain during cleaning and handling. Independent studies have shown that gurney mattresses and backboards can become “*potential reservoirs of pathogenic organisms*”. Further studies show even “clean” backboards can pose a serious risk of contamination. One study examined multiple “clean” and “in-service” backboards, and found every board tested to be contaminated with various pathogens including, G(-) and G(+) Bacillus; G(-) Bacillus (*Pseudomonas aeruginosa*); G(-) Bacillus (*A. baumannii*); G(-) Bacillus (*Acinetobacter sp*); G(+) Cluster forming coccus; G(+) Coccus (ND); Fungus; Yeast; and G(+) Coccus (*Methicillin Resistant Staphylococcus aureus*).

Infections

Infections acquired from exposure to harmful bacteria including MRSA can be fatal to certain patients. Yet traces of potentially fatal organisms can be found on standard EMS equipment including spinal immobilization backboards, and ambulance & hospital gurneys. The United States Department of Labor, Occupational Safety and Health Administration's (OSHA) regulation for Toxic and Hazardous Substances, number 1910.1030, describes in detail the need for protection and mandates that EMS professionals sanitize medical equipment. Section 1910.1030(d)(4)(ii) of this regulation states, “*All equipment and environmental and working surfaces shall be cleaned and decontaminated after contact with blood or other potentially infectious materials.*” Unfortunately, standard cleaning techniques often fall short of adequately decontaminating surfaces.

Cleaning & Disinfecting

Multiple studies found that cleaning agents typically used to disinfect medical equipment can exacerbate respiratory problems in patients and medical professionals with asthma and other respiratory ailments. Some found certain cleaning products and processes to be ineffective in preventing contamination. Additionally, some common mattress surfaces are incompatible with a number of EPA-registered cleaner-disinfectants. Path-O-Wrap helps to reduce the use of harsh chemical cleaners and can decrease the risk of exposure to blood-borne illnesses. Path-O-Wrap is the barrier between contaminated devices and the personnel assigned to clean them.



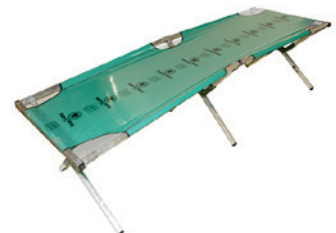
Folding Backboard

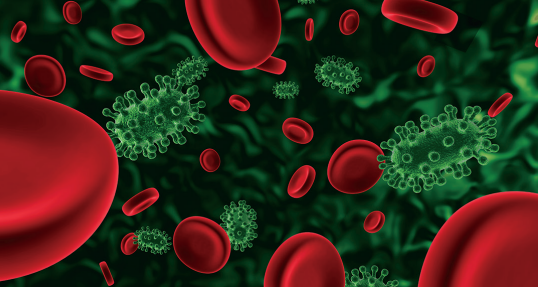


Soft Immobilizer



Sleeping Cot





Protect Yourself

Protecting yourself is just as important as protecting your patients. Path-O-Wrap® provides the barrier between you and contaminated devices and equipment. There are numerous uses for Path-O-Wrap, and there are limitless individuals and agencies who can benefit from its protection.

Who can benefit from Path-O-Wrap®

- Hospitals
- Physician Clinics
- Urgent Care Centers
- Skilled Nursing and Long Term Care Facilities
- Fire and EMS Services
- Ambulance Services
- Search and Rescue Teams
- Transitional Housing Shelters
- CERT (Civilian Emergency Response Teams)
- Military and Tactical Law Enforcement
- DMAT (Disaster Medical Assistance Team)
- Special Event Medical Units
- Any organization, group or individual needing Barrier Protection from Harmful Pathogens

Typical Applications

- Hospital Gurney Mattresses
- Ambulance Gurney Mattresses
- Spinal Immobilization Backboards
- Wheelchairs
- Soft Immobilization Devices
- DMAT & Mobile Medical Cots
- Laboratory Countertops
- Any surface where a barrier device may be needed

Product Facts

Materials & Testing

Path-O-Wrap uses innovative design and materials to provide a barrier between patients and spinal immobilization backboards, gurney mattresses, and other devices. Since Path-O-Wrap is impervious to fluids, it also has the potential to decrease exposure for healthcare professionals who handle and clean medical devices and equipment. Path-O-Wrap has been tested by an independent microbiology laboratory, and has passed ASTM Method F-1670 for Blood Penetration; and ASTM Method F-1671 for Viral Penetration. Path-O-Wrap is made from a lightweight polyethylene material, with a water-based adhesive to provide strong surface contact without leaving residue after removal.

Reliability & Applications

Path-O-Wrap is simple, easy to apply, and can be applied in seconds. Path-O-Wrap is X-ray translucent and it is tough enough to withstand summer heat and humidity, extreme winter cold, and wet weather conditions. In fact, Path-O-Wrap is easily applied during all weather conditions. Once applied, Path-O-Wrap remains in place even if fully immersed in water. In addition to spinal immobilization backboards and gurney mattresses, Path-O-Wrap can be applied to other medical devices such as soft immobilization devices, and sleeping cots used by specialized medical units and disaster assistance teams. Path-O-Wrap can be easily removed from these devices without leaving a sticky residue.

Sales

Path-O-Wrap® is a product of MedFire Innovations, Inc. and is available for sale from MedFire.com and the following distributors:

MedFire Innovations, Inc.

Corporate Headquarters
2425 Camino Del Rio South, Suite #125
San Diego, CA 92108

