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Latest U.S. State selects AeroClave to decontaminate Infectious Disease Transportation Network

Winter Park, FL - The University of Georgia College of Public Health has selected the AeroClave RDS 3110 to decontaminate the Georgia Infectious Disease Transportation Network (IDTN).

Georgia, along with the State of Florida, are the first two states to implement their Infectious Disease Transportation Networks (IDTN). Both states have selected AeroClave as their approved decontamination technology.

The purpose of the IDTN is to send specially trained Emergency Medical Service (EMS) units to conduct the transport of highly infectious disease patients from the hospital to a local airport, a designated treatment hospital, a “change-out” location for patient transfer, or to the Regional Treatment Center in Atlanta, Georgia.

Eighteen host agencies are designated to provide transportation services for the IDTN.

1. **AMBUCARE EMS (Bremen, GA)**
2. **AMR**
3. **Atlanta, GA Fire Rescue Department**
4. **Central EMS (Roswell, GA)**
5. **Clayton County, GA Fire & Emergency Services**
6. **Community Ambulance**
7. **Floyd Medical Center EMS (Rome, GA)**
8. **Gold Cross EMS (Augusta, GA)**
9. **Grady EMS (Atlanta, GA)**
10. **Hamilton Medical Center EMS (Dalton, GA)**
11. **Henry County, GA Fire Department**
12. **Metro Atlanta Ambulance Service (Atlanta, GA)**
13. **National EMS (Athens, GA)**
14. **National EMS (Conyers, GA)**
15. **Okefenokee EMS (Waycross, GA)**
16. **Puckett EMS (Austell, GA)**
17. **Southside Fire & EMS (Savannah, GA)**
18. **Spalding Regional Medical Ctr EMS (Griffin, GA)**

Decontamination is a key component

One of the key components of the IDTN is the proper decontamination and disinfection of transport units, “change-out” stations, and EMS equipment, after a

highly infectious disease patient transport. The University of Georgia College of Public Health has equipped the eighteen host agencies with decontamination equipment to help ensure that transports are completed without contaminating response personnel or others involved in the transport mission.

The specifications for decontamination equipment need to consider the broad site and environmental factors that the host agencies will encounter in the field. In addition to the immediate decontamination of the ambulance patient compartment, the crews must disinfect rooms, compartments, equipment and other surfaces to eliminate bacteria, viruses and mold. The decontamination equipment must be mobile to allow for transport to remote locations as well as for room decontamination at “change-out” stations. It also must operate in outdoor or indoor environments under a variety of weather conditions regularly encountered in Georgia including high heat, high humidity, and breezy conditions.

The decision was made to purchase the AeroClave RDS 3110, a decontamination system that uses an aerosolized, EPA-approved, hospital-grade solution that eliminates infectious agents such as Middle East Respiratory Syndrome (MERS), Ebola, Norovirus, Methicillin-resistant Staphylococcus Aureus (MRSA) and other such pathogens. This disinfectant solution is non-corrosive, not harmful to electronic or medical equipment on ambulance transport units, and safe for application by response personnel.

The RDS 3110 is already widely deployed in fire, EMS, and police departments throughout the Southeast, enhancing interoperability between state and local agencies. It is a man-portable, fully self-contained unit that combines the ability to decontaminate rooms, vehicles and equipment with equal effectiveness. The RDS 3110 provides hands-free, constant and reliable delivery of disinfectant, not achievable through manual “wipe-down” cleaning methods.

To safely decontaminate the transports themselves, each ambulance is outfitted with an apparatus to allow for the dispersal of the decontamination solution in a hands-free fogging or misting mode without the operator being in the ambulance patient compartment at the time of decontamination.



LEFT: The RDS 3110 unit connected to a rescue through the ADP-PT hands-free port. RIGHT: Nozzle inside patient compartment.

One requirement is to provide immediate decontamination of a standard ambulance patient compartment in 20 minutes or less. This follows the guideline for a decontamination cycle as defined in the Portable Ambulance Transport Decontamination Systems -Market Survey Report, produced by the Department of Homeland Security.

The equipment is also used to disinfect the patient transfer “change-out” locations that host agencies will use along their route. This is accomplished by dispersing the decontamination solution in a hands-free room fogging mode that minimizes personnel exposure to the contaminated environment.



The AeroClave RDS 3110 unit decontaminating bunker gear in room fogging mode.

The final site requirement is that all EMS equipment and personal protective equipment (PPE) must be disinfected. This may be done by directly applying the decontamination solution using a handheld spray applicator or other methods as applicable.



Disinfectant applied by APA hand sprayer from the AeroClave RDS 3110 to the cab and exterior of a rescue.

About AeroClave

AeroClave develops and sells various decontamination systems capable of decontaminating vehicles, equipment, facilities, commercial and military aircraft from pandemic-causing viruses and bacterial infections. AeroClave, founded in 2003 in Winter Park, Florida, offers easy-to-use, safe, and cost-effective decontamination technologies for a variety of industries including Fire, EMS, and Police. For more information, please visit AeroClave’s official website <http://www.aeroclave.com>.



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