

EMS CASE STUDY

Bioquell BQ-EMS Mobile Decontamination System

Continuous Decontamination of Ambulance Fleet for a Large US First Responder Organisation

**WHEN IT
MATTERS MOST,
BIOQUELL
DECONTAMINATES
EVERY EXPOSED
SURFACE IN THE
AMBULANCE**

As a result of the COVID-19 pandemic, many American/US EMS organisations were forced to re-evaluate the way in which they decontaminated their ambulances daily to protect their patients and staff. For one EMS organisation, a proven solution was needed with efficacy against various viruses, bacteria and other pathogens that could potentially be brought into an ambulance at any given time, as dozens of team members had already contracted COVID-19.

Three Bioquell BQ-EMS systems were purchased for use during the COVID-19 pandemic due to its wide-spectrum antimicrobial efficacy. The systems provide a 6-log sporicidal decontamination on all exposed surfaces within an ambulance, including difficult to reach spaces and open shelving areas. This major EMS organisation immediately decontaminated any ambulances exposed to the virus to keep its fleet out on the road in order to operate continuously.

THE BIOQUELL BQ-EMS SOLUTION FOR AMBULANCE DECONTAMINATION

After transporting a **suspected COVID-19 patient**, an ambulance returns to the station for decontamination.

Staff ready the ambulance for decontamination, including placing in the **Bioquell BQ-EMS** system and chemical indicators to confirm a **6-log sporicidal kill**.

No additional cleaning or wipe downs are needed, and the vehicle can **return to service immediately**.

Vehicles return to service in only two to three hours after entering into the bay.

The Bioquell BQ-EMS systems ran over **400 cycles** for the organisation in just **2½ weeks**.

**OUTCOMES**

**OVER 400
AMBULANCES
DECONTAMINATED
IN 2½ WEEKS**



**AMBULANCES
BACK ON THE ROAD
IN TWO TO
THREE HOURS**



**6-LOG
SPORICIDAL
REDUCTION
VERIFIED BY
CHEMICAL
INDICATORS**

**Learn more about the Bioquell BQ-EMS at bioquell.com**

COVID-19 is caused by SARS-CoV-2. As a sterilant, **Bioquell Hydrogen Peroxide Sterilant** is expected to kill similar viruses and therefore can be used against SARS-CoV-2 when used in accordance with the directions for use as a sterilant on **hard, porous/nonporous surfaces**. Refer to the **CDC** website at <http://www.cdc.gov/outbreaks> for additional information.

USE BIOQUELL PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

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