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Sanuvov releases the ASEPTIX² Dual UV Disinfection System to help reduce nosocomial (HAI) infections in hospital environments

(Montreal, Canada) – The Sanuvov ASEPTIX² Dual UV Disinfection System uses a primary and secondary unit to sterilize high-touch surfaces with ultraviolet 'C' energy controlling (6 log reduction) drug-resistant microorganisms such as MRSA and *C. diff.* in as little as 7 minutes in a standard patient hospital room. The two unit operation dramatically lowers the disinfection time typically associated with UV sterilization while achieving exceptional deactivation rates by minimizing shadow areas through the use of the two unit system.

Studies show that even with the best terminal cleaning practices, an operating or patient room can remain the source of many potential harmful drug-resistant microorganisms as manual cleaning effectively cleans less than 50% of surfaces. It is estimated that HAIs (Hospital Acquired Infections) result in 1.7 million infections and 99,000 deaths costing the healthcare system between \$28-\$33 billion dollars annually. Statistics show that one in every 20 patients admitted to a US hospital falls victim to an infection they contracted while there.

UV disinfection (UVC 254nm wavelength) has been used in hospitals for decades and recently, commercially available mobile UV systems are used to disinfect the patient room in the terminal cleaning process. However, the limitation to UV disinfection is that it is a "line-of-sight" technology. UV disinfection is ineffective in shadowed areas where the light cannot reach. This can include the other side of high-touch areas such as a remote or call button or the other side of a bed or bed rail. As such, conventional UV systems require multiple positioning within a room to lessen the chances of shadow area that block the sterilizing ability of the UV light. In doing so, time and resources are spent moving the system around the room and preparing the room for additional treatments.

The ASEPTIX² UV System has been tested by ATS Labs in Minnesota USA to show a 99.9999% reduction in MRSA and *C. diff.* in less than 5 minutes around high-touch areas close to the patient bed and under 10 minutes throughout the rest of the room. The ASEPTIX² is also being evaluated in one of the nation's leading teaching hospitals. The now readily available ASEPTIX² includes many firsts incorporated into a mobile system. Some features include a total of eight infrared motion detectors (360 degree protection around each of the two units) that will shut the units down should any personnel enter the room during the sterilization process. Wi-Fi communication between both primary and secondary units controlled and monitored by any Smart Device while logging all sterilization cycles.

According to Normand Brais, Ph.D. from the Montreal Polytechnic Engineering School, "The ASEPTIX² UV System helps eliminate the one limitation in UV disinfection, shadows. By maintaining a closer proximity to high-touch areas and reducing shadow areas by treating both sides of the patient bed and surrounding areas, Sanuvov is able to deliver an elegant solution in reducing HAIs while increasing productivity." Aaron Engel, Sanuvov Vice-President Marketing goes on to say "We also wanted to make the ASEPTIX² easily accessible to virtually any medical facility looking to implement the system. Although single UV systems can sell for well over \$100,000 (US) we believe with every unit in operation, can save lives and wanted the systems priced right to do so, as such a fully equipped two unit ASEPTIX² system will sell for considerably less making the unit readily available to most who are looking into the technology."

About Sanuvov Technologies:

Sanuvov Technologies Inc. is a global leader in UVGI treatment providing advanced HVAC in-duct & stand-alone UV air and surface disinfection systems. Sanuvov manufactures UV Systems for medical, commercial, residential, agricultural, food, industrial & military applications. Sanuvov UV Systems have been tested by government agencies, laboratories and universities. These include RTI, US EPA and National Homeland Security, Penn State University and McGill University. For more information contact Solange Webb at 1-888-726-8869 or email at SWebb@sanuvov.com. For more information on the Sanuvov ASEPTIX², visit <http://www.sanuvov.com/en/aseptix.php>.



Aseptix² Mobile Dual UV Sterilization System

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