

Press Release

Researchers Use Phoseon Technology's KeyPro™ UV LED Instrument for Virus Inactivation

Ultraviolet Light for Viral Inactivation Shows Promise for Vaccine Research

Hillsboro, Oregon (May 27, 2020) - Phoseon Technology announces use of the company's KeyPro™ KP100 deep ultraviolet disinfection instrument to inactivate viruses as part of research being done at a major University in Europe. The university facility has a mission to study emerging infectious diseases and develop new vaccines and therapeutics to combat significant pathogens.

High-intensity ultraviolet light is well known for its ability to inactivate live viruses. Exciting new studies have shown that precisely controlled UVC can be tuned to partially or completely inactivate viruses without damaging recognition host protein structures. This new technology could open the door to new ways to create vaccines or manufacture new "killed" vaccines which are more stable and easier to transport. It also has the potential to widen virus research beyond biosafety level 3 (BSL3) laboratories enabling higher availability of life saving technologies and reducing costs.



Phoseon's KeyPro™ KP100 is a proven decontamination system for labs to decontaminate microplates and labware as well as inactivate viruses, bacteria, molds, and fungi. Complete disinfection of laboratory contaminants can be accomplished by the KeyPro system in well under five minutes and at fraction of the cost of traditional methods. In addition, the simple to use touchscreen user interface allows precise control of light output down to 10% of maximum capacity. This unique control system allows for strict dosage control and is the key to potential vaccine development. Phoseon's patented Semiconductor Light Matrix (SLM™) technology encapsulates LED arrays, optics, and thermal cooling technology to maximize disinfection and/or decontamination performance and increase lab productivity.

About Phoseon Technology

Since 2002, Phoseon Technology pioneered the use of LED technology for Life Sciences and Industrial Curing. Through our relentless innovation, we deliver high performance, reliable and patented LED based solutions. Our strong focus on customer collaboration has resulted in world-wide market leadership position and presence. Phoseon is an ISO9001 certified company manufacturing award winning products that are covered by more than 300 patents worldwide. We uniquely focus 100% on LED technology therefore ensuring superior reliability, business economics, and environmental benefits.

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