Lytbot Pulsed UV Disinfection System

An Innovative and Effective Weapon Against Superbugs

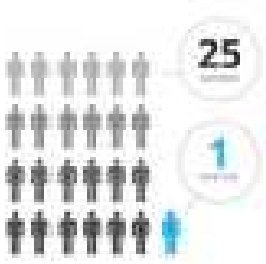
Eliminates Pathogens in Seconds with Proven Pulsed Broad-Wavelength with UVC

UV Devices Complement Manual Disinfection

- ✓ Up to 78% of hospital surfaces still harbor pathogens after manual disinfection[1]
- ✓ In case of C. difficile, a patient is 2.5x more likely to acquire the pathogen if the room's prior occupant was infected[2]

1 in 25 patients will acquire an HAI during their hospital stay (CDC) ...

... of those who get an HAI, 1 in 9 patients will unfortunately die



Current UV Devices Are Not Viable Options

- ✓ Many companies currently offer surface disinfection solutions made with mercury bulbs to generate UV-C light
- ✓ Bulbs contain mercury which is Hazardous and Toxic
- ✓ If a bulb breaks, the hazards associated with its absorbtion include eye and skin burns, blurred or double vision, headaches, nausea[3]
- ✓ Mercury systems need over 45 min. to eliminate C. diff in a patient room
- ✓ Capital costs for UV Disinfection Devices can be $100,000+ for most healthcare facilities without including service and support fees

"UV devices can add an extra layer of assurance when it comes to terminal cleaning; reaching areas of the healthcare environment that may otherwise be missed or insufficiently addressed due to human error."[4]

1Eckstein, BC et al. Reduction of Clostridium Difficile and vancomycin-resistant Enterococcus contamination of environmental surfaces after an intervention to improve cleaning methods, 21 June 2007; BMC Infectious Diseases 2007, 7:61
2Shaughnessy, MK et al. Evaluation of hospital room assignment and acquisition of Clostridium difficile infection. Infection Control & Hospital Epidemiology, 32 (2011), 201–206.
3US Food & Drug Administration
4 Infection Control & Clinical Quality "Bridging the gap: Establishing UV claims for emerging pathogens" S. Snow. February 2015.

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Lytbot Technology

- ✓ **3, 5, 10 minute Cycles**- Simple cycles are 25-40% faster than competitors
- ✓ **Maxpulse Technology-** High flash rate = increased disinfection efficacy against a variety of pathogens
- ✓ **Targeted Disinfection-** Engineered reflector amplifies energy to high touch surfaces where 80-90% of pathogens hide

Lytbot Works Differently than Mercury UV Systems

1) UVC damages DNA, creates thymine dimers, eliminating pathogen ability to perform its cellular function
2) Pulsed UV Disintegrator - full spectrum pulsed UV light sends billions of high energy photons causing cells to overheat and rupture

Pulsed Xenon UVC Lytbot Advantages

- ✓ No mercury, no dangerous microwaves
- ✓ Hands free, chemical free
- ✓ Easily maneuvred by one person
- ✓ Increased efficiency, lower HAI rates
- ✓ Cost efficient subscription purchase

Lytbot Is Much More Efficient Than Other UV Systems

System	Pathogen	Distance	Cycle Time	% Reduction
Mercury UVC	C.diff	4 ft	5 min	40.0% [5]
Lytbot	**C.diff**	**5 ft**	**5 min**	**98.4%** [6]
Lytbot	MRSA	6 ft	2.6 min	100.0% [6]

According to Resinnova Labs (Dr. Hardwich, Washington, DC)