Successful performance

Federal Research Institute of Emergency Medicine, Moscow

Institute of Bioorganic Chemistry of the Russian Academy of Sciences, Moscow

Scientific Research Institute of Disinfectology, Moscow

Yanex devices are currently used in healthcare:

- surgery
- perinatal centers and maternity clinics
- TB hospitals
- oncology
- ophthalmology
- resuscitation and intensive therapy
- institutions with high sanitary and epidemiological requirements
- space medicine

Our experience

Over 750 units are deployed since 2004 at more than 280 healthcare facilities in Russian Federation and Republic of Kazakhstan.

ISO 9001:2008
ISO 13485:2003

IQNet

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Yanex-5

Mobile pulsed xenon UV antibacterial system for ultrafast air and surfaces disinfection

guaranteed disinfection with 3-5 log efficiency

rapid operation and high capacity

environmental friendliness

www.melitta-uv.com

How does it work?

The mobile pulsed xenon UV antibacterial system is based on the high-intensity plasma-optical technology and uses the high temperature xenon plasma in a pulsed lamp as the irradiation source

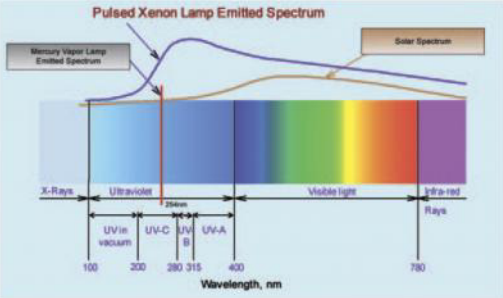
The system has the following unique features:

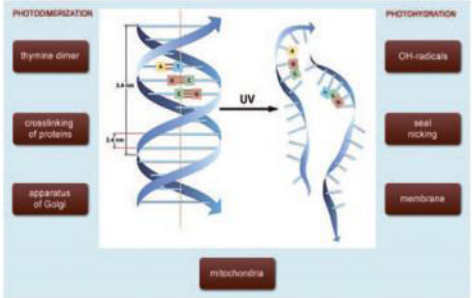
Continuous UV irradiation spectrum (200..400 nm) destructively affects all the vital cell structures (DNA, proteins, lipids, nucleic acids);

Pulsed nature of impact ensures precise dosage of UV irradiation, offering the possibility to integrate pulsed UV systems into the existing medical and other technologies.

High intensity - 10 000 times more intense than the existing bactericidal lamps - allows to expand the system's effective range, to improve the efficiency and even to start two-quantum dimerization processes and chain reactions;

The synergism of the said impact mechanisms on the living matter affords a significant reduction of the microorganism's resistance, ultrashort disinfection time and as a result high efficiency of the system.





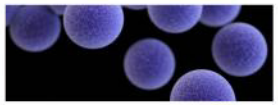
Efficiency

Time to Reduce Microorganisms' Population by 3-4 log (99.9-99.99%) in the air of a 75 m³ room	
Microorganisms	**Time to Reduce Microorganisms by 3-4 log in Minutes**
Staphylococcus aureus, cultured strain	**7.5**
Methicillin-resistant Staphylococcus aureus (MRSA), clinical strain	**7.5**
Vancomycin-resistant enterococcus (VRE), clinical strain	**9**

[1] Horizontal distance from Yanex Antibacterial System to target surface.
[2] Time required to reduce microorganisms' population by 3 log and 4 log is based on the dosage determined by laboratory research.

Time to Reduce Pathogens by 3-4 log (99.9-99.99%)						
	Direct Distance to Surface in Meters[1] Time[2] to Reduce Microorganisms Population by 3-4 log in Minutes					
Microorganisms	**3 log**			**4 log**		
	2 m	**3 m**	**4 m**	**2 m**	**3 m**	**4 m**
Staphylococcus aureus, cultured strain	**2.5**	**6**	**10**	**3**	**7**	**12**
Methicillin-resistant Staphylococcus aureus (MRSA), clinical strain	**2.5**	**6**	**10**	**3**	**7**	**12**
Vancomycin-resistant enterococcus (VRE), clinical strain	**3**	**7.5**	**12**	**3.5**	**9**	**14**

Staphylococcus aureus



Vancomycin-resistant enterococcus (VRE)

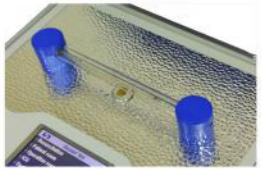
Methicillin-resistant Staphylococcus aureus (MRSA)

Key Features

- Easy-to-use control panel.
  You only need to set the room size and the bactericidal efficacy - the system does the rest.
- Remote Control with the 6 meter's operating range that can operate through doors and walls.
- «Green technology»: Absence of mercury in pulsed xenon lamps and anti-ozone protection ensure environmental friendliness.

Intuitive control panel

Remote control



Pulsed xenon UV lamp

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