

Asept.2X Gold – Mobile UV Rapid Disinfector



The ASEPT.2X Mobile UV is a mobile rapid disinfector that provides operator initiated closed room UVC disinfection.

Placement of 1-2 units within the room to be disinfected, allows for simultaneous sterilization of a room from all angles, minimizing the problematic shadow areas left by the conventional single unit UV sterilizers.

User-friendly remote Wi-Fi controls which can be used on any smart device.

The ASEPT.2X units used in pairs simultaneously will sterilize up to 99.9999% of a 22' x 22' room (7mx7m) in 10 minutes. Shorter cycle of disinfection (5) minutes will apply for smaller room dimensions.

View product video at: https://www.youtube.com/watch?v=VafgVMJa0YY&t=27s

Specifications

Disinfection Time 5-10 min per room

Safety System 4 passive infrared sensors,

E-stop

Power Requirements 120-240V AC, 50-60Hz, 7.5A per tower Overall Dimensions 712 mm W x 712 mm L x 1645 mm H

(28.0" W x 28.0" L x 64.8" H)

Weight 45.5 kg (100lbs)

Communication Wi-Fi
UV Wavelength 254 nm



Features/Deliverables

- UVC lamps (8): T6 quartz 40 in (101.6 cm) Teflon encapsulated, mercury vapour
- Aluminum construction and medical grade stainless steel
- Multiple infrared motion detectors
- Fan-based lamp temperature management
- 360° handle for easy maneuverability
- Heavy-duty lockable swivel casters
- Retractable medical grade cord
- Scalable software with updates
- Chronological data collection
- Integrated WEB server
- User-friendly WEB interface (user/administrator), upgradable and customizable

Benefits

- Automated disinfection with minimal human intervention
- Simultaneous operation of a single unit for quicker disinfection
- 99.99% disinfection in 5 minutes
- Adjustable disinfection time
- Paired units to maximize disinfection dose and time



Pricing

Item	Description	Qty	Price (USD)
1	ASEPT.2X	1	
	Includes: 1 tower, Android 7in tablet configured for use, Caution floor sign/coupler and (2) door caution panels		
2	UVC LED Floor Disinfection Module	1	Upon Request
Option	nal Accessories		
3	uv cense Dosimeter (UVC254)	1	
4	Intelligo UVC Indicators - pkg of 100		
	0-100 mJ/cm ²	1	
	0-1000 mJ/cm ²	1	
	Safety Indicators (0-6 mJ/cm²)	1	
5	Aranet4 Pro Air Quality Monitor	1	



Terms and Conditions

Terms: 50% with Purchase Order

30% at Shipping 20% Net 30

Warranty: All parts are warranted against manufacturer's defects for a period of 12

months from date of installation, not including wear and tear parts.

Taxes: All taxes extra

F.O.B. Prescient^x Warehouse – Cambridge, Ontario, Canada

Returns: Stock Items: RGA Required; Restocking Charge Applies; Non-Stock Items:

No Returns

Manufactured Items: Cancellation of orders will result in a 10% penalty through submittal stage.

After approved submittals 20% penalty until manufacturing begins. After

manufacturing begins, cancellations will not be permitted.

Prices: Quotation valid for 90 days.



Sanuvox EPA

ENVIRONMENT	United St		TION A	SENC		MB Control No. 2070-007 Expires on 1/31/202
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Pesticide Report for Pesticide-Pi Office of Enfor Section 7, Federal Insecticid http://www.epa.gov/compilian	rcement and (le, Fungicide, an	Complian d Rodentic	ce Assurance ide Act (7 U.S.C. sec	. 136e)	olishmen	its
1. Establishment Name SANUVOX TECHNOLOGIES INC.			2. EPA Est. No.	91660-CA	N-1	
3. Establishment Site Address 146 BARR						
4. City SAINT LAURENT						5 State
6. Province/Region QUEBEC PROVINCE		7. Cou	ntry CAN	8. Zip/Po	stal Code	H4T 1Y4
9. Establishment Mailing Address ATTN: KEITH JORDAN	l, 12725 Out	llook Av	9			
10. City FORT WORTH						11. State TX
12. Province/Región		13. Co	ountry USA	14. Zip/P	ostal Code	76244
15. Telephone Number 8887268869	16. Email	mec@s	sanuvox.com			
 Check if your establishment's name or address changed 	X 18.1	Did you	produce or d	istribute i	in 2019?	X Yes No
19. Company Name SANUVOX TECHNOLOGIES IN	C.					
20. Company Site Address 12725 Outlook Ave						
21. City Forth Worth						22. State TX
21. City Forth Worth 23. Province/Region QUEBEC PROVINCE		24 Cc	untry USA	25. Zip/P	ostal Code	
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23. Province/Region QUEBEC PROVINCE 26. Company Mailing Address 12725 Outlook Ave 27. City Forth Worth 29. Province/Region 32. Telephone Number (817) 938-6843 34. Check if your company name or address chang 36. Name of Company Official or Authorized Agent Vincent Gariepy 38. Signature of Company Official or	4ae7-434b-	30. Cc kjordar 35. Cl 38fa4-634	untry USA @sanuvox.com neck if your A 7. Title of Compor Authorized 3bb1b29cf Company Officia	31. Zip/P n authorized any Official Agent	d Agent c	28. State TX 276244 28. State TX 276244 Changed 2red Agent ate 02/27/2020



ASEPT.2X CE/EC Certificate of Conformity







STUDY REPORT

STUDY TITLE

Evaluation of Antimicrobial Effectiveness of a UVC Generating Device on Hard Nonporous Surfaces

Test Organisms:

Methicillin Resistant Staphylococcus aureus - MRSA (ATCC 33592)

Clostridium difficile - spore form (ATCC 43598)

Vancomycin Resistant Enterococcus faecalis - VRE (ATCC 51575)

PRODUCT IDENTITY

Aseptix

AUTHOR

Joshua Luedtke, M.S. Study Director

STUDY COMPLETION DATE

January 17, 2014

PERFORMING LABORATORY

ATS Labs 1285 Corporate Center Drive, Suite 110 Eagan, MN 55121

SPONSOR

Sanuvox Technologies Inc. 146, rue Barr Saint-Laurent, QC H4T 1Y4 Canada

PROJECT NUMBER

A15984

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Project No. A15984

TRF Number: SXT01121613.CUST

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STUDY REPORT

GENERAL STUDY INFORMATION

Study Title: Evaluation of Antimicrobial Effectiveness of a UVC Generating Device on

Hard Nonporous Surfaces

Project Number: A15984

TRF Number: SXT01121613.CUST

TEST SUBSTANCE IDENTITY

Test Device Name: Aseptix

STUDY DATES

Date Sample Received: December 27, 2013
Study Initiation Date: December 27, 2013
Experimental Start Date: January 8, 2014
Experimental End Date: January 13, 2014
Study Completion Date: January 17, 2014

Test Organism	ATCC#	Culture Medium	Incubation Parameters
Methicillin Resistant Staphylococcus aureus - MRSA	33592	Synthetic Broth	35-37°C, aerobic
Clostridium difficile - spore form	43598	CDC Anaerobic Blood Agar	35-37°C, anaerobic
Vancomycin Resistant Enterococcus faecalis – VRE	51575	Fluid Thioglycollate Medium	35-37°C, aerobic

The test organisms to be used in this study were obtained from the American Type Culture Collection (ATCC), Manassas, Virginia.

Exposure Times: 5 minutes, 10 minutes and 15 minutes

Exposure Temperature: Room temperature (20.3°C)

Number of Carriers Tested: 2 per organism per location

Soil Load Description: No organic soil load required

Neutralizer: Letheen Broth

Agar Plate Medium: Tryptic Soy Agar with 5% Sheep Blood (BAP) [for MRSA and VRE]

BHI-HT Agar [for Clostridium difficile - spore form]

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EXPERIMENTAL DESIGN

Glass carriers (1" x 3") inoculated with a dry film of the test organism were placed into the testing room and exposed to the UV generating device(s) for the Sponsor specified exposure times. Duplicate carriers per organism per location were placed around the testing area as indicated by the Sponsor. Briefly, two carriers per organism were placed on the bedrail of a hospital bed approximately 3 feet off the floor and approximately 2 feet from a UV device. The second set of carriers was located on the opposite side of the hospital bed, on a hospital table approximately 4 feet off the ground and approximately 5 feet from a UV device. Each test carrier was oriented so that the inoculated area of the carrier was perpendicular to the ground, parallel to the device and as vertical as possible. After exposure, the carriers were transferred to vessels containing subculture media and assayed for survivors. Appropriate culture purity, media sterility, carrier sterility, carrier quantitation, HCI resistance (for *Clostridium difficile*) and neutralization confirmation controls were performed.

Per Sponsor's direction, the study was not required to be conducted under US EPA 40 CFR Part 160 or US FDA 21 CFR Part 58.

STUDY RESULTS

TABLE 1: CONTROL RESULTS

The following results from controls confirmed study validity:

		Results	
Type of Control Staphyloc aureus - M (ATCC 33	Methicillin Resistant Staphylococcus aureus - MRSA (ATCC 33592)	Clostridium difficile - spore form (ATCC 43598)	Vancomycin Resistant Enterococcus faecalis – VRE (ATCC 51575)
Purity Control	Pure	Pure	Pure
		No Growth	
Carrier Sterility Control		No Growth	

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TABLE 2: NEUTRALIZATION CONFIRMATION CONTROL RESULTS

Total Deviler	T	Neutralization (CFU/	±1.0 Log ₁₀	
Test Device	Test Organism	Numbers Control	Results	Pass/Fail
Methicillin Resistant Staphylococcus aureus - MRSA (ATCC 33592)	20,13	21,14	-0.03 (Pass)	
Aseptix	Clostridium difficile - spore form (ATCC 43598)	40,36	40,34	0.01 (Pass)
	Vancomycin Resistant Enterococcus faecalis - VRE (ATCC 51575)	17,11	15,15	-0.03 (Pass)

CFU = Colony Forming Unit

TABLE 3: CARRIER QUANTITATION CONTROL RESULTS

Test Organism	Carrier #	Result CFU/Carrier	Average Log ₁₀	Geometric Mean
		(Log ₁₀)		
Methicillin Resistant	1	1.5 x 10 ⁶ (6.18)	6.18	1.51 x 10 ⁶
Staphylococcus aureus - MRSA (ATCC 33592)	2	1.5 x 10 ⁶ (6.18)	0.10	1.51 x 10
Clostridium difficile - spore form	1	9.0 x 10 ⁶ (6.95)	0.05	0.04 406
(ATCC 43598)	2	9.0 x 10 ⁶ (6.95)	6.95	8.91 x 10 ⁶
Vancomycin Resistant	1	1.7 x 10 ⁵ (5.23)	E 47	1.48 x 10 ⁵
Enterococcus faecalis – VRE (ATCC 51575)	2	1.3 x 10 ⁵ (5.11)	5.17	1.48 X 10°

CFU = Colony Forming Unit

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TABLE 4: EVALUATION OF TEST CARRIER DATA - 5 Minute Exposure

arrier Location: Bedrail (app	proximatel	y 3 feet off	ground and	2 feet from	device)		
		1,1000,000	Nur	mber of Su	rvivors (CF	U)	
Test Organism	Carrier	Dilution					
	#	Filtered 10°	10° (1.00 mL)	10°	10 ⁻¹	10 ⁻²	10 ⁻³
Methicillin Resistant Staphylococcus aureus -	1	0	0,0	0,0	0,0	0,0	0,0
MRSA (ATCC 33592)	2	0	0,0	0,0	0,0	0,0	0,0
Clostridium difficile –	1	3	0,0	0,0	0,0	0,0	0,0
spore form (ATCC 43598)	2	52	3,8	0,0	0,0	0,0	0,0
Vancomycin Resistant	1	0	0,0	0,0	0,0	0,0	0,0
(ATCC 51575)	2	0	0.0	0.0	0.0	0.0	0.0

Carrier Location: Table (approximately 4 feet off ground and 5 feet from device)

			Nun	nber of Su	rvivors (CF	U)		
Test Organism	Carrier		Dilution					
•	#	Filtered 10°	10 ⁰ (1.00 mL)	10°	10 ⁻¹	10°2 0,0 0,0 0,0 0,0 0,0	10 ⁻³	
Methicillin Resistant Staphylococcus aureus -	1	0	0,0	0,0	0,0	0,0	0,0	
MRSA (ATCC 33592)	2	0	0,0	0,0	0,0	0,0	0,0	
Clostridium difficile spore form	1	TNTC	30,20	3,2	0,0	0,0	0,0	
(ATCC 43598)	2	TNTC	46,40	3,9	0,0	0,0	0,0	
Vancomycin Resistant	1	14	1,1	1,0	0,0	0,0	0,0	
Enterococcus faecalis – VRE (ATCC 51575)	2	2	1,0	0,0	0,0	0,0	0,0	

CFU = Colony Forming Unit

TNTC = Too Numerous To Count

A value of <1 was used in place of zero for calculation purposes only.

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TABLE 5: EVALUATION OF TEST CARRIER DATA - 10 Minute Exposure

Test Device: Aseptix								
Carrier Location: Bedrail (app	roximatel	y 3 feet off	ground and 2	feet from	device)	W		
	Carrier	Number of Survivors (CFU)						
Test Organism				Dilu	tion			
	#	Filtered 10°	10 ⁰ (1.00 mL)	10°	10-1	10°2 0,0 0,0 0,0 0,0 0,0 0,0	10-3	
Methicillin Resistant Staphylococcus aureus - MRSA (ATCC 33592)	1	0	0,0	0,0	0,0	0,0	0,0	
	2	0	0,0	0,0	0,0	0,0	0,0	
Clostridium difficile – spore form	1	1	0,0	0,0	0,0	0,0	0,0	
(ATCC 43598)	2	15	0,0	0,0	0,0	0,0	0,0	
Vancomycin Resistant Enterococcus faecalis – VRE	1	0	0,0	0,0	0,0	0,0	0,0	
(ATCC 51575)	2	0	0,0	0,0	0,0	0,0	0,0	
Carrier Location: Table (appr	oximately	4 feet off g	round and 5 f	eet from o	levice)			
	7.500		Nun	ber of Su	rvivors (CF	U)		
Test Organism	Carrier #			Dilu	tion			
	#	Filtered 10°	10° (1.00 mL)	10°	10 ⁻¹	10 ⁻²	10 ⁻³	
Methicillin Resistant	1	0	0,0	0,0	0,0	0,0	0,0	

		J ##11 = #	Num	iber of Su	rvivors (CF	·U)			
Test Organism	Carrier	Dilution							
•	#	Filtered 10°	10° (1.00 mL)	10°	10 ⁻¹	10°2 0,0 0,0 0,0 0,0 0,0	10 ⁻³		
Methicillin Resistant Staphylococcus aureus -	1	0	0,0	0,0	0,0	0,0	0,0		
MRSA (ATCC 33592)	2	0	0,0	0,0	0,0	0,0	0,0		
Clostridium difficile – spore form	1	80	1,8	0,0	0,0	0,0	0,0		
(ATCC 43598)	2	52	2,5	0,0	0,0	0,0	0,0		
Vancomycin Resistant Enterococcus faecalis – VRE	1	39	3,2	0,0	0,0	0,0	0,0		
(ATCC 51575)	2	TNTC	36,46	1,0	0,0	0,0	0,0		

CFU = Colony Forming Unit TNTC = Too Numerous To Count

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TABLE 6: EVALUATION OF TEST CARRIER DATA - 15 Minute Exposure

Test Device: Aseptix							
Carrier Location: Bedrail (app	proximatel	y 3 feet off	ground and	2 feet from	device)		
	law ii		Nui	mber of Su	rvivors (CF	U)	
Test Organism	Carrier	of Page		Dilu	tion		
	#	Filtered 10 ⁰	10° (1.00 mL)	10°	10-1	10 ⁻²	10-3
Methicillin Resistant Staphylococcus aureus -	1	0	0,0	0,0	0,0	0,0	0,0
MRSA (ATCC 33592)	2	0	0,0	0,0	0,0	0,0	0,0
Clostridium difficile spore form	1	0	0,0	0,0	0,0	0,0	0,0
(ATCC 43598)	2	0	0,0	0,0	0,0	0,0	0,0
Vancomycin Resistant Enterococcus faecalis – VRE	1	0	0,0	0,0	0,0	0,0	0,0
(ATCC 51575)	2	0	0,0	0,0	0,0	0,0	0,0

Carrier Location: Table (approximately 4 feet off ground and 5 feet from device)

			Nur	nber of Su	rvivors (CF	U)		
Test Organism	Carrier	Dilation						
	#	Filtered 10°	10° (1.00 mL)	10°	10 ⁻¹	10 ⁻²	10 ⁻³	
Methicillin Resistant Staphylococcus aureus -	1	0	0,0	0,0	0,0	0,0	0,0	
MRSA (ATCC 33592)	2	0	0,0	0,0	0,0	0,0	0,0	
Clostridium difficile – spore form	1	6	0,0	0,0	0,0	0,0	0,0	
(ATCC 43598)	2	18	0,0	0,0	0,0	0,0	0,0	
Vancomycin Resistant Enterococcus faecalis VRE	1	0	0,0	0,0	0,0	0,0	0,0	
(ATCC 51575)	2	4	0,0	0,0	0,0	0,0	0,0	

CFU = Colony Forming Unit

A value of <1 was used in place of zero for calculation purposes only.

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TABLE 7: CALCULATED VALUES - 5 Minute Exposure

cimately 3 fe	et off ground a	nd 2 feet fr	om device)	
Carrier #	# Survivors/ Carrier (Log ₁₀)	Average Log ₁₀	Geometric Mean	Percent Reduction (Log ₁₀)
1	<1 (<0.00)	.0.00		>99.9999%
2	<1 (<0.00)	<0.00	<1	(>6.18)
1	4 (0.60)	1 20	1 58 v 10 ¹	>99.999% (5.75)
2	6.2 x 10 ¹ (1.79)	1.20	1.36 X 10	
1	<1 (<0.00)	<0.00	<1	>99.999% (>5.17)
2	<1 (<0.00)	40.00		
nately 4 fee	off ground an	d 5 feet fro	m device)	
Carrier#	# Survivors/ Carrier (Log ₁₀)	Average Log ₁₀	Geometric Mean	Percent Reduction (Log ₁₀)
1	<1 (<0.00)	10.00	-1	>99.9999% (>6.18)
2	<1 (<0.00)	40.00		
1	5.0 x 10 ² (2.70)	2.82	0.00.402	99.99%
2	8.6 x 10 ² (2.93)	2.02	0.00 X 10"	(4.13)
1	1.7 x 10 ¹ (1.23)	0.77	5.00420	>99.99%
2	2 (0.30)	0.77	J.09 X 10	(4.40)
	1 2 1 2 Carrier # 1 2 1 2 1 2 1 2 1 1 2 1 1	Carrier # Survivors/ Carrier (Log ₁₀) 1	Carrier # Survivors/ Carrier (Log ₁₀) 1	Carrier # Carrier (Log ₁₀) Average Log ₁₀ Geometric Mean 1

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TABLE 8: CALCULATED VALUES - 10 Minute Exposure

Test Device:	Aseptix		
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Carrier Location: Bedrail (approximately 3 feet off ground and 2 feet from device)

Test Organism	Carrier #	# Survivors/ Carrier (Log ₁₀)	Average Log ₁₀	Geometric Mean	Percent Reduction (Log ₁₀)
Methicillin Resistant	1	<1 (<0.00)	40.00	<1	>99.9999% (>6.18)
Staphylococcus aureus - MRSA (ATCC 33592)	2	<1 (<0.00)	<0.00		
Clostridium difficile - spore form (ATCC 43598)	1	1 (0.00)	0.63	4.27 x 10 ⁰	>99.9999% (6.32)
	2	1.8 x 10 ¹ (1.26)	0.00		
Vancomycin Resistant Enterococcus faecalis – VRE	1	<1 (<0.00)	<0.00	<1	>99.999%
(ATCC 51575)	2	<1 (<0.00)	-0.00		(>5.17)

Carrier Location: Table (approximately 4 feet off ground and 5 feet from device)

Test Organism	Carrier #	# Survivors/ Carrier (Log ₁₀)	Average Log ₁₀	Geometric Mean	Percent Reduction (Log ₁₀)
Methicillin Resistant	1	<1 (<0.00)	-0.00	<1	>99.9999% (>6.18)
Staphylococcus aureus - MRSA (ATCC 33592)	2	<1 (<0.00)	<0.00		
Clostridium difficile - spore form (ATCC 43598)	1	9.5 x 10 ¹ (1.98)		7.76 x 10 ¹	99.999% (5.06)
	2	6.2 x 10 ¹ (1.79)	1.89		
Vancomycin Resistant	1	4.6 x 10 ¹ (1.66)		1.05 102	>99.8% (2.88)
Enterococcus faecalis – VRE (ATCC 51575)	2	8.2 x 10 ² (2.91)	2.29	1.95 x 10 ²	

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TABLE 9: CALCULATED VALUES - 15 Minute Exposure

T	D	
rest	Device:	Aseptix

Carrier Location: Bedrail (approximately 3 feet off ground and 2 feet from device)

Test Organism	Carrier#	# Survivors/ Carrier (Log ₁₀)	Average Log ₁₀	Geometric Mean	Percent Reduction (Log ₁₀)	
Methicillin Resistant	1	<1 (<0.00)	-0.00	<1	>99.9999% (>6.18)	
Staphylococcus aureus - MRSA (ATCC 33592)	2	<1 (<0.00)	<0.00			
Clostridium difficile - spore form (ATCC 43598)	1	<1 (<0.00)	<0.00	<1	>99.9999% (>6.95)	
	2	<1 (<0.00)	-0.00			
Vancomycin Resistant Enterococcus faecalis – VRE	1	<1 (<0.00)	<0.00 <1		>99.999%	
(ATCC 51575)	2	<1 (<0.00)	-5.55	71	(>5.17)	

Carrier Location: Table (approximately 4 feet off ground and 5 feet from device)

Test Organism	Carrier#	# Survivors/ Carrier (Log ₁₀)	Average Log ₁₀	Geometric Mean	Percent Reduction (Log ₁₀)
Methicillin Resistant	1	<1 (<0.00)	-0.00	<1	>99.9999%
Staphylococcus aureus - MRSA (ATCC 33592)	2	<1 (<0.00)	<0.00		(>6.18)
Clostridium difficile - spore form	1	7 (0.85)	4.00	1.23 x 10 ¹	>99.999% (5.86)
(ATCC 43598)	2	2.1 x 10 ¹ (1.32)	1.09		
Vancomycin Resistant Enterococcus faecalis – VRE	1	<1 (<0.00)	<0.35	<2.24 x 10°	>99.99%
(ATCC 51575)	2	5 (0.70)	<0.35	~2.24 X 10	(>4.82)

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TABLE 10: VERIFICATION OF ANTIBIOTIC RESISTANCE - Staphylococcus aureus - MRSA.

Organism (ATCC)	Zone of Inhibition (mm)	CLSI* Resistant Range (mm)	
Methicillin Resistant Staphylococcus aureus – MRSA (ATCC 33592)	6	≤ 10	
Quality Control Organism (ATCC)	Zone of Inhibition (mm)	CLSI* Acceptable Range (mm)	
Staphylococcus aureus (ATCC 25923)	20	18 - 24	

^{*}CLSI = Clinical and Laboratory Standards Institute

TABLE 11: VERIFICATION OF ANTIBIOTIC RESISTANCE - Enterococcus faecalis - VRE

Quality Control Organism	Zone of Inhibition (mm)	CLSI* Acceptable Range (mm)
Vancomycin Resistant Enterococcus faecalis – VRE (ATCC 51575)	10	≤14
Test Organism	Zone of Inhibition (mm)	CLSI* Resistant Range (mm)
Staphylococcus aureus (ATCC 25923)	17	17-21

^{*}CLSI = Clinical and Laboratory Standards Institute

Interpretation of result and acceptable range are from the Clinical and Laboratory Standards Institute, Performance Standards for Antimicrobial Susceptibility Testing; Twenty-Second Information Supplement January 2012, Volume 31 Number 1, Approved Standard M02-A11 and M07-A9, Wayne, Pennsylvania.

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TABLE 12: HCL RESISTANCE VERIFICATION

Test Organism: Clostridium difficile – spore form (ATCC 43598)						
Exposure Time	10 ⁻²	10 ⁻³	104	CFU/mL (Log ₁₀)	Log ₁₀ Reduction from Control	Pass/Fail (≤ 2 log₁₀ difference)
5 minutes (test)	184,204	27,27	6,1	1.94 x 10 ⁵ (5.29)	0.94	Not Applicable
10 minutes (test)	56,58	12,17	4,0	5.7 x 10 ⁴ (4.76)	1.47	Pass
20 minutes (test)	4,7	1,3	0,0	6 x 10 ³ (3.78)	2.45	Not Applicable
20 minutes (control)	т,т	142,200	29,37	1.71 x 10 ⁶ (6.23)	Not Applicable	Not Applicable

T = Too Numerous To Count (≥300 colonies)

CONTROL RESULTS

The results of controls run for purity, carrier sterility, neutralizer sterility, neutralization confirmation, HCI resistance control, antibiotic resistance and carrier quantitation were all acceptable.

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ANALYSIS

The UV light generating device, Aseptix, demonstrated a >99.999% (>5.75 log10) reduction, >99.9999% (6.32 log10) and >99.9999% (>6.95 log10) reduction of Clostridium difficile - spore form on the test carriers located on the hospital bedrail following a 5, 10 and 15 minute exposure time, respectively, when tested at room temperature (20.3°C).

The UV light generating device, Aseptix, demonstrated a 99.99% (4.13 log₁₀) reduction, 99.999% (5.06 log₁₀) and >99.999% (5.86 log₁₀) reduction of Clostridium difficile - spore form on the test carriers located on the hospital table following a 5, 10 and 15 minute exposure time, respectively, when tested at room temperature (20.3°C).

The UV light generating device, Aseptix, demonstrated a >99.9999% (>6.18 log10) reduction of Methicillin Resistant Staphylococcus aureus - MRSA on all test carriers following 5, 10 and 15 minute exposure times when tested at room temperature (20.3°C).

The UV light generating device, Aseptix, demonstrated a >99.999% (>5.17 log₁₀) reduction of Vancomycin Resistant Enterococcus faecalis - VRE (ATCC 51575) on the test carriers located on the hospital bedrail following 5, 10 and 15 minute exposure times when tested at room temperature (20.3°C).

The UV light generating device, Aseptix, demonstrated a >99.99% (4.40 log₁₀) reduction, >99.8% (2.88 log₁₀) reduction and a >99.99% (>4.82 log₁₀) reduction of Vancomycin Resistant Enterococcus faecalis - VRE (ATCC 51575) on the test carriers located on the hospital table following a 5, 10 and 15 minute exposure time, respectively, when tested at room temperature (20.3°C).

PREPARED BY:	
Joshua Lea	1.17.14
Joshua Luedtke, M.S.	Date
Microbiologist	

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ASEPT.2X disinfection efficiency against SARS-CoV-2 virus



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June 30th 2020,

Object: ASEPT.2X disinfection efficiency against SARS-CoV-2 virus

This letter is to confirm that based on specific test data performed in a P3 level lab, the ASEPT.2X disinfection unit provides at least 99.99% disinfection of SARS-CoV-2 in less than 2 minutes of exposure time within a radius of 3 meters around the unit. This allows a single ASEPT.2X to disinfect a room of 6m x 6m in 2 minutes.

Validations with UVC dosimeter indicators sensitive to 254 nm wavelength has also shown that for a disinfection cycle time of 5 minutes, the reach for the same disinfection level of 4 log extends up to a radius of 5.5 meters. Consequently, all exposed surfaces of a 11 m x 11m room can be effectively disinfected with a 5 minutes operating cycle. All the air inside the room also gets the same disinfection level.

Germicidal UV disinfection uses no chemicals and leaves no harmful residuals behind so that the disinfected room can be accessed immediately after.

For further information, please do not hesitate to email Sanuvox Technologies at www.sanuvox.com

Best regards,

Dr. Normand Brais, P. Eng, M.A.Sc., Ph.D.

VP Engineering & Founder