



product information

EOS^{CU}'s
IN VITRO and
IN VIVO
Efficacy Data

OVERBED TABLES

SINKS

VANITIES

COUNTERTOPS

WORKSTATIONS

CUSTOM

efficacy results from
independent third-party laboratory testing

INACTIVATION OF *HUMAN CORONAVIRUS, FELINE CALICIVIRUS* (EPA-APPROVED HUMAN NOROVIRUS SURROGATE) and *CANDIDA AURIS*

Third-Party Laboratory Testing

In May of 2020, EOS^{CU} was tested against human coronavirus at Microchemlab, an independent, third-party laboratory. Results indicated a 99% reduction in infectious virus at one hour.

In June 2021, EOS^{CU} was also tested against *feline calicivirus* (FCV) at Microchemlab, achieving a 5.50 log reduction (99.9997%) in two hours. FCV is a small, non-enveloped virus, the hardest type to inactivate,

and thus indicates a product's efficacy against any known virus.

In the Fall of 2021, EOS^{CU} was tested against one of the leading multi-drug resistant pathogens currently facing healthcare, the fungus *Candida auris*. Results showed a 5.25 log reduction (99.992%) at two hours.

pathogens tested and results*
the efficacy of EOS^{CU}

	Pathogen	Identifier	Test Time	Log Reduction	% Reduction
Fungus	<i>Candida albicans</i>	ATCC 10231	2 hrs	6.38	100.000%
	<i>Candida auris</i>	CDC AR-Bank #0385	2 hrs	5.25	>99.992%
Bacteria	<i>Carbapenem-resistant (CR) Klebsiella pneumoniae (CRKP)</i>	ATCC 10002	2 hrs	6.18	99.9999%
	<i>Enterobacter aerogenes</i>	ATCC 13048	2 hrs	3.95	99.9987%
	<i>ESBL Escherichia coli</i>	ATCC BAA-196	2 hrs	3.79	99.9835%
	<i>Extended Spectrum Beta Lactamase (ESBL) Klebsiella pneumoniae</i>	ATCC 70063	2 hrs	3.38	99.9572%
	<i>Methicillin-resistant Staphylococcus aureus (MRSA)</i>	ATCC33591	2 hrs	3.50	99.9718%
	<i>Multi-drug resistant (MOR) Acinetobacter baumannii</i>	ATCC BAA-1605	2 hrs	5.90	99.9999%
	<i>Staphylococcus aureus</i>	ATCC 6538	2 hrs	5.86	99.9999%
Virus	<i>Vancomycin-resistant Enterococcus faecium (VRE)</i>	ATCC 51559	2 hrs	3.32	99.9500%
	Feline calicivirus (EPA-approved human norovirus surrogate), F-9 strain	ATCC VR-782	2 hrs	5.50	99.9980%
	Human Coronavirus, Strain 229E	ATCC VR-740	1 hr	2.72	99.0000%

***Disclaimer:** The information in this table is intended to serve as an educational tool and not a marketing document. EOS does not make public health claims about viruses and spores and aims to remain transparent regarding the requirements for each EPA claim while still providing its employees and customers with clear, scientific facts for better understanding of the testing and potential impact of our surfaces. This material has been created at the direct request of physicians and infection preventionists with whom we work and all recipients are informed of the purpose behind them. It is not intended for general public use and shall not be disseminated, copied, published or disclosed to any party other than the intended recipient without the written permission of EOS Surfaces.

independent third-party research from
peer-reviewed journals



REDUCTION IN HAI RATES: TRIALS ON THE IMPACT OF EOS^{CU}

Reduced health care-associated infections in an acute care community hospital using a combination of self-disinfecting copper-impregnated composite hard surfaces and linens
Published in *American Journal of Infection Control*

78%-83% Reduction in HAIs due to MDROs, *C. difficile*



Effect of Self-Sanitizing Copper Impregnated Surfaces on HAI Rates

Published in *International Journal of Infection Control*

Further analysis of initial HAI study with additional data confirming results



74% reduction in blood infections and pneumonias, 40% reduction in UTIs, 30% reduction in surgical site infections and 15% reduction in *C. difficile* infections

Presented at 2023 Association for Professionals in Infection Control and Epidemiology Conference

NOTE:
Data collected during height of COVID

REDUCTION IN BIOBURDEN: TRIALS IN BACTERIA

Self-sanitizing copper-impregnated surfaces for bioburden reduction in patient rooms
Published in *American Journal of Infection Control*

81% Reduction in bioburden

Research led to investigator receiving NIH R01 Grant



Efficacy of copper-impregnated antimicrobial surfaces against *Clostridiodes difficile* spores
Published in *Infection Control and Hospital Epidemiology*

Spores were reduced by 97% on clean surfaces, and by 92% on soiled surfaces (organic material to simulate a real-world spill event).



REDUCTION IN BIOBURDEN: TRIALS IN VIRUSES

SARS-CoV-2 viability on 16 common indoor surface finish materials

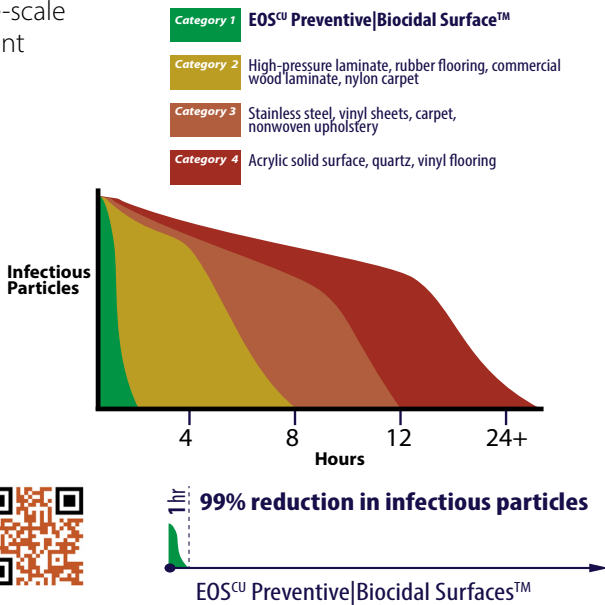
Published in *HERD: Health Environments Research & Design Journal*

In February of 2021, Baylor University released the results of a large-scale study measuring how long SARS-CoV-2 could survive on 16 different surfaces commonly found in healthcare facilities.

EOS^{CU} outperformed all other surfaces, with no detectable virus at the first sample time of 4 hours.

Stainless steel (Category 3) and solid surfaces (Category 4) performed the poorest by far, with detectable, infectious viral recovery at 24 hours.

The 3 most commonly used materials in both healthcare and high-traffic, public spaces - laminate, stainless steel and acrylic solid surface - performed worst, allowing SARS-CoV-2 to remain actively infectious for 8, 12 and 48 hours.



eos^{cu} patient overbed table with low profile base



Lowest Profile on the Market

Fits under *any* patient bed
Compatible with: beds with the 5th wheel, battery packs,
stretchers and patient room seating
Exposed steel; no plastic cover allows for easy cleaning of base
and casters

Infection Control Features of Base

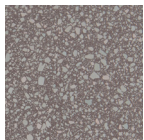
Nonporous
Seamless
Heat resistant
Stain resistant
Easy to clean
Easy to maintain
Meets SCS IAQ Standards



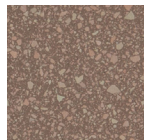
Patent No. 16/924,429

Base and top have been tested for safety and functionality and should not be used separately.

Available EOS^{cu} Tabletop Colors

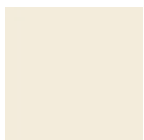


Grey



Beige

Available Base Colors



Almond

ECU050BEI005-001
(w/ Beige Top)

ECU050GRY005-001
(w/ Grey Top)



Graphite Grey

ECU050BEI005-002
(w/ Beige Top)

ECU050GRY005-002
(w/ Grey Top)



Nevada

ECU050BEI005-003
(w/ Beige Top)

ECU050GRY005-003
(w/ Grey Top)



Dimensions

Table Top**	35" L x 18" W
Base Height**	28" Low to 44" High
Weight	55.7 lbs.

**Top and base are NOT sold separately.

U-Shape Base Option

Standard option.
Fits under all bed types.



Patient Recliner Table Series H-Shape | C-Shape** Base Options

Designed for use with recliners and other scenarios.
Discuss with EOS prior to submitting solicitation to ensure best fit.



After discussing with an EOS^{cu} Team Member, add -H or -C to the end of the part number for an H- or C-shaped base selection.



All base options come standard with non-locking casters. **Locking casters are available on any base option.** Add -L to the end of the part number to indicate desire for locking casters option.

