

Reduce up to 99.9% of Surface Microorganisms

MICROORGANISMS SUCH AS:

- Escherichia coli
- Listeria monocytogenes
- Streptococcus spp
- Candida albicans
- Pseudomonas aeruginosa
- Bacillus spp.
- Staphylococcus aureus
- S. chartarum



According to a study¹ by Kansas State University, the surface populations of the above listed Micro-organisms were reduced by up to 99.9% in just 24 hours by the activTek INDUCT 2000 "Air Scrubber".

MICROBE	MAJOR IDENTIFIER	MOST AT RISK	SOURCES	OTHER SYMPTOMS	DEATH POSSIBLE	DRUG RESISTANT	COMMENT	% MICROBE SURFACE REDUCTION FROM ACTIVTEK INDUCT 2000
Staphylococcus aureus	Many types of Infection	All especially elderly	Mosocomial infections indwelling catheters ventilators	Respiratory tract sepsis; toxic shock syndrome, pneumonia, skin lesions	Yes	Yes	Leading cause of hospital acquired infections	Log 1.85 = about 97.5%
Staphylococcus Aureus Methicillin Resistant (MRSA)	Skin infection	Immune compromised	Direct Contact IVs, Catheters etc	Bed sores, skin lesions, boils	Yes	Yes Methicillin	Usually found on skin and in nose	about 99.8%
Avian bird flu (H5N8)					Yes			about 99%
E. Coli 100's of strains (strain 0157 causes severe illness)	Bloody diarrhea	Children < 5 and elderly	Contaminated milk, meat, water, contact with animal feces	High BP, jaundice, seizures, skin bleeding, kidney damage or failure	Yes, in 5% of cases			Log 1.81 = about 98.1%
Bacillus spp (Over 58 types – only 2 serious to humans)								Log 2.38 = about 99.3%
Bacillus anthracis	Anthrax surrogate	All	Ag environment and bio-chemical weapons	Hemorrhage and necrosis	Yes		Produces exotoxins	Included above
Bacillus cereus	Milk food poisoning	All	Animal contact and food	Vomiting and diarrhea				Included above
Streptococcus spp (Group A)	Septic sore throat	All	Improper food handling	Scarlet fever, tonsillitis, high fever, diarrhea, vomiting	Low rate	No		Log 1.64 = about 96.4%
Pseudomonas spp.	Sepsis	All	Direct contact urinary catheters, ventilators, IV contamination	Pneumonia 16% – urinary tract 12% - sepsis – respiratory infections	Yes	Yes	30% fatal in the immune-compromised	Log 2 = 99%
L. Monocytogenes	Soft cheese, under-cooked chicken, fish, ice machines	Pregnant women and newborns	Improper food handling	Fever, muscle aches, nausea, diarrhea, stiff neck, minic stroke, meningitis & encephalitis	Yes, fetus 80%		In US - 2500 cases/yr. with 500 deaths and increasing	Log 2.75 = about 99.75%
C. (candida) Albicans	Genital rashes, fatigue, oral thrush plus more	Women and men	A normal "flora" within the gut – it can "morph" into fungus and penetrate intestinal wall	Fungal growth – Leaky gut syndrome, intestinal (or other) infections		Difficult to cure	Most common in genital area, often result of too many antibiotics	Log 3.22 = over 99.9%
Stachybotrys Chartarum	Environmental mold – usually slimy or black	All	Moisture and cellulose (most Common)	Rashes, headaches, nausea, myalgias, fatigue, immune system weakness	Yes	Produces toxic gases (myco-toxins)		Log 3.32 = over 99.9%

¹ Information in above chart gathered from KSU Study and other reliable scientific sources!



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